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ANTHROPOMETRY OF AIR FORCE WOMEN

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13. ABSTRACT This report describes and summarizes the results of an anthropometric survey of United States Air Force women carried out during 1968. Included in the report are a description of the methods and techniques used in the survey, descriptions--visual as well as verbal--of the measuring techniques used, and both uni- and bi-variate statistical summaries. A total of 137 anthropometric dimensions were measured on a sample of 1,905 US Air Force women: 548 officers or officer trainees and 1,357 enlisted women. This anthropometry included 5 measures of weight and fat thickness, 30 measures of body height and length, 26 measures of body girths, 15 measures of body breadths and depths, and 12 measures of body surface distance. There were, in addition, 30 measures of the head and face, 3 of the hand, and 2 of the feet. Thirteen measurements were remeasures of the subject while she was wearing a foundation garment. Background data gathered included age, rank, military occupation, birthplace, blood type, and age at menarche. Key Words: Human Engineering Humans Anthropology Females Anthropometry WAF			

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FOREWORD

The anthropometric survey of Air Force women was directed by Headquarters, USAF, at the request of Brigadier General (then Colonel) Jeanne M. Holm, USAF, Director, Women in the Air Force (WAF). General Holm perceived the fundamental value of such data in the design, sizing and procurement of clothing and in the intelligent design of equipment and layout of functional workspaces for military women.

The survey of military women could not have been accomplished without the wholehearted support of Colonel Ethel R. Kovach, then Chief Nurse, USAF Nurse Corps, and Colonel Frances G. Ballentine, Chief (then Deputy Chief), USAF, Biomedical Sciences Corps. Lieutenant Colonel (then Major) Sarah C. Evans, USAF, WAF Staff Director, Military Personnel Center, provided statistics relative to the assignment of the female population in the Air Force and made possible the assignment of female airmen to the survey team. The WAF airmen were selected by Lieutenant Colonel LaVerne M. Collavo, USAF Nurse Corps, then course supervisor, Medical Service Specialist Course, Medical Service School, Sheppard Air Force Base.

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The photography was by Mr. James Weir, Technical Photographic Branch, Wright-Patterson AFB, and illustrations were drawn by Mr. Jerry Ingram, University of Dayton Graphic Arts Department.

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This technical report has been reviewed and is approved.

CLINTON L. HOLT, Colonel, USAF, MC
Commander
Aerospace Medical Research Laboratory

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SECTION I

INTRODUCTION

This report describes and summarizes the results of an anthropometric survey of United States Air Force women carried out during 1968. Included in the report are a description of the methods and techniques used in the survey, descriptions—visual as well as verbal—of the measuring techniques used, and both uni- and bi-variate statistical summaries.

Part A describes the survey and the sample, illustrates the measuring techniques, and provides summary statistics including the mean, standard deviation, coefficient of variation, selected percentiles, measures of skewness and kurtosis, and frequency distribution for each measured variable. A study of the body density of a sub-sample of 95 women is described in Appendix II.

Part B provides a variety of correlation and regression equation material, including the complete correlation matrix for the basic 124 measurements, regression equations for all pairs of variables with at least moderately high intercorrelations, selected partial and multiple correlations, and a series of step-wise regression equations.

Part C consists of a set of approximately 400 bivariate frequency tables, plus one tri-variate table.

Part D contains abbreviated statistical summaries for a set of indices, a group of computed variables, and for the original measurement data separately for the officers and the enlisted women.

A numbering system for the measured variables is used consistently throughout the report. This system is introduced as part of the Visual Index (Section VI). The measurement index, which appears at the end of the report, lists for each of the measured variables its Visual Index number as well as the location of the variable's primary statistical summary. Data for these variables appear in most of the tables in the same sequence as that of the Visual Index numbers.

This study describes the survey and presents the statistical results. Detailed application of these results to specific design problems will be treated in later reports.

PART A

THE SURVEY AND DESCRIPTIVE STATISTICS

SECTION II

THE SURVEY

PURPOSE OF THE SURVEY

Reliable anthropometric data provide a tool essential to effective sizing and efficient procurement of clothing and personal-protective equipment. Such data are also required in the laying out of workplaces, and are useful in the design of equipment and in biological and medical studies of a particular population.

The only previous anthropometric survey of United States Air Force women (Daniels, et al., 1953) was restricted to young women undergoing basic military training. The data gathered, therefore, were not based on a sample broadly representative of the women in the Air Force. Designers of clothing for Air Force women have relied primarily on data collected on civilian women during the late 1930's by O'Brien and Shelton (1941) and on data for a limited number of dimensions measured on Army Air Force women during World War II (Randall, et al., 1946). A number of studies have indicated that, for several decades, each succeeding generation of United States citizens has been larger in body size than the preceding generation. A new anthropometric survey was therefore needed to provide current data describing the distribution and variability of the body size of Air Force women.

SELECTION OF BODY DIMENSIONS

The human body has been measured to yield a vast number of dimensions. Each investigator has his own list of body dimensions he considers essential for a particular purpose, and his list rarely coincides with the dimensions another investigator considers critical. In major Air Force surveys, data are obtained for the maximum number of body dimensions that can be measured within the allotted resources making those measurements which will be of most value to the greatest number of potential users.

The list of dimensions measured in the present survey began with a basic list of clothing dimensions requested by the Clothing Branch, Aeronautical Systems Division, to meet the requirements of Air Force clothiers. The Department of Commerce obtained additional requests from civilian clothiers. In addition, a number of individuals responsible for the design of personal-protective equipment and layout of workplaces were consulted. To supplement this list, several dimensions were selected specifically to support aspects of bio-medical research. Although not all body dimensions suggested were included in the survey, the resulting series of measurements can serve as a basis for solving a number of design and research problems.

The final list of body dimensions for this survey numbered 137 and included 5 measures of weight and body composition, 30 of body height and length, 26 of body girth, 15 of body breadth and depth, and 12 of body surface distance. Also, there were 30 measures of the head and face, 3 of the hand, 2 of the feet, 1 of grip strength, and 13 remeasures of the subject wearing a foundation garment of her choice. The complete list of dimensions measured is given in Section VI, the Visual Index. The sequence of measurements and the sociological data requested of each subject are illustrated on the survey blank which appears in Appendix I.

After the list of dimensions to be measured had been established, descriptions of the measuring procedures were established. The descriptions were rather detailed and specified the position of the subject, the position of the measurer, the instrument to be used, the landmarks involved, and the method to be used in making the measurement. Each measuring technique was tried out on a professional model and modified if necessary.

The following is an example of the type of description prepared for each body dimension:

1. Stature—Instrument: Anthropometer.

Position of Subject: The subject stands erect with her feet together as close as is comfortable and her weight distributed equally over both feet. The head is in the Frankfort plane with the eyes directed forward. The subject remains in this position while the measurement is being taken.

Position of Measurer: The measurer stands at the subject's left side.

Procedure: The anthropometer is held and balanced in a vertical position behind the subject. The measurer locates the highest point of the head and slides the moving arm of the anthropometer down to rest there. The hair texture is taken into consideration, and sufficient pressure is used to bring the horizontal arm of the anthropometer firmly to the level of the top of the head. The anthropometer is carefully removed from the subject and read with the eyes on the level of the reading.

SURVEY ORGANIZATION AND PROCEDURES*

The survey was established as a joint effort of several individuals and organizations. Lt Col Pearl Tucker served as the administrative director of the survey and had the overall responsibility for the organization, scheduling and field activities of the survey. Technical organization and supervision of the survey was the joint responsibility of the Anthropology Branch of the Aerospace Medical Research Laboratory, and the Anthropology Research Project, then located at Antioch College.

Personal records for each woman in the Air Force containing items such as her age, rank, station, organizational unit, and Air Force Specialty Code were summarized to give the number and distribution of women in the Air Force. These data permitted us to select the specific duty stations which offered the highest probability of obtaining a representative cross-section sample of Air Force women. (See Section III, The Sample). Arrangements were then made to visit each of the bases selected for a sufficient period of time to measure a majority of the women stationed there.

To measure efficiently 137 dimensions on each subject with the minimum interruption to her regular duty, a team of 13 women was selected to carry out the measuring procedures. The team consisted of 11 enlisted Airmen (WAF) who had volunteered for this project and who were graduates of the basic course at the Medical Services School, Sheppard AFB, Texas, and two physical therapists. Ten of the Airmen were divided into 5 pairs; each pair being responsible for a single series of dimensions. The remaining Airman served as a general helper and as a temporary substitute should any of the other Airmen become ill. The physical therapists were responsible for establishing and marking on the subject's body the anatomical landmarks required for the measuring procedures. Thus, five measuring stations and a marking station were established.

Dr. Louanna Pettay, Associate Professor of Physical Anthropology, Sacramento State College, joined the Anthropology Research Project to assist in the training of the measuring team.

The anthropologists, assisted by Lt Col Tucker and the two physical therapists, Maj Reardon and Lt Ann McConnell, USAF, BSC, tested and evaluated the measuring procedures. The eleven Airmen were trained in the measuring procedures during an intensive two-week program at Wright-Patterson Air Force Base.

The dimensions assigned to a particular station were those which were the easiest to measure in sequence and which required the minimum of picking up and laying down of instruments. It was also of importance, however, that the processing times at each

*The procedures followed during this survey were based on those described by Hertzberg et al in their classic monograph, AGARDograph 73, *Anthropometric Survey of Turkey, Greece, and Italy*.

station be as equal as possible. These two factors were involved in selecting the sequence of dimensions and the assignment of the dimensions to the various measuring stations.

The procedure followed in processing each subject was essentially as follows:

A. The subject was given an orientation as to the nature of the anthropometric survey and instructed in filling out the sociological data requested on the survey blank.

B. She then disrobed, except for panties and bra, put on a paper gown and slippers and went to the marking station.

C. After being marked, she was directed to one of the five measuring stations, the choice of station being determined by the flow of traffic.

D. The subject then went to each of the remaining measuring stations, the order again being determined by the flow of traffic. When she had been fully measured, she returned her completed data blank, after which she dressed and departed.

One member of the measuring team was always free to act as a "traffic director" and assist the subject in going through the procedures as quickly as possible. She could also act as a relief at any station and help out when problems were encountered.

LANDMARKS

A number of marks were drawn on each subject to serve as reference points for the measurer. These landmarks were made by either Maj Reardon or Lt McConnell, physical therapists trained in the location and interpretation of such landmarks. This procedure helped to insure that all the subjects would be marked in a similar way and that each measuring team would not need to take the time to mark each subject for their particular set of measurements.

The landmarks which were used fall into three broad categories: (1) those used to designate bony features of the body, (2) those used to indicate a specific area of soft tissue, and (3) those used as reference points in garment and personal-protective equipment construction. The landmarks are shown in figure 1, and the procedures for determining them are given below:

ABDOMINAL EXTENSION: Subject stands erect with abdomen relaxed. The level of the maximum anterior protrusion of the abdomen is determined by visual inspection and marked with a short horizontal line. A short horizontal line is also drawn on the back at this level.

ACROMIAL, RIGHT AND LEFT: Subject stands with arms relaxed at sides. The most lateral margin of each acromial process is determined by palpation and marked with a short horizontal line.

ANKLE: The level of the minimum circumference of the right ankle is determined with a measuring tape and marked on the medial surface with a short horizontal line.

BICEPS, RIGHT AND LEFT: Subject's upper arm is horizontal, elbow flexed 90 degrees and fist tightly clenched. The point of maximum protrusion of the strongly contracted biceps brachii muscle is determined by visual inspection and marked with a short horizontal line.

BUST, RIGHT AND LEFT: The point of the maximum anterior protrusion of each bra cup is determined by visual inspection. Short horizontal and vertical lines are drawn through these points.

BUSTPOINT, RIGHT AND LEFT: The intersections of the horizontal and vertical bust landmarks are the bustpoint landmarks.

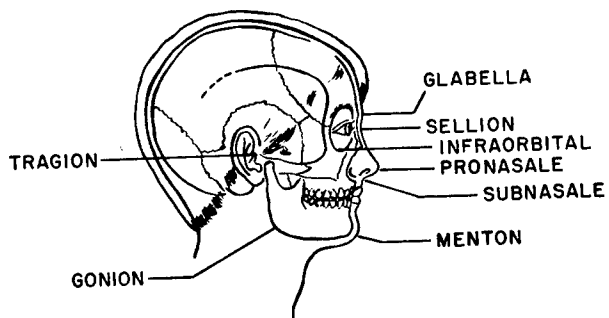
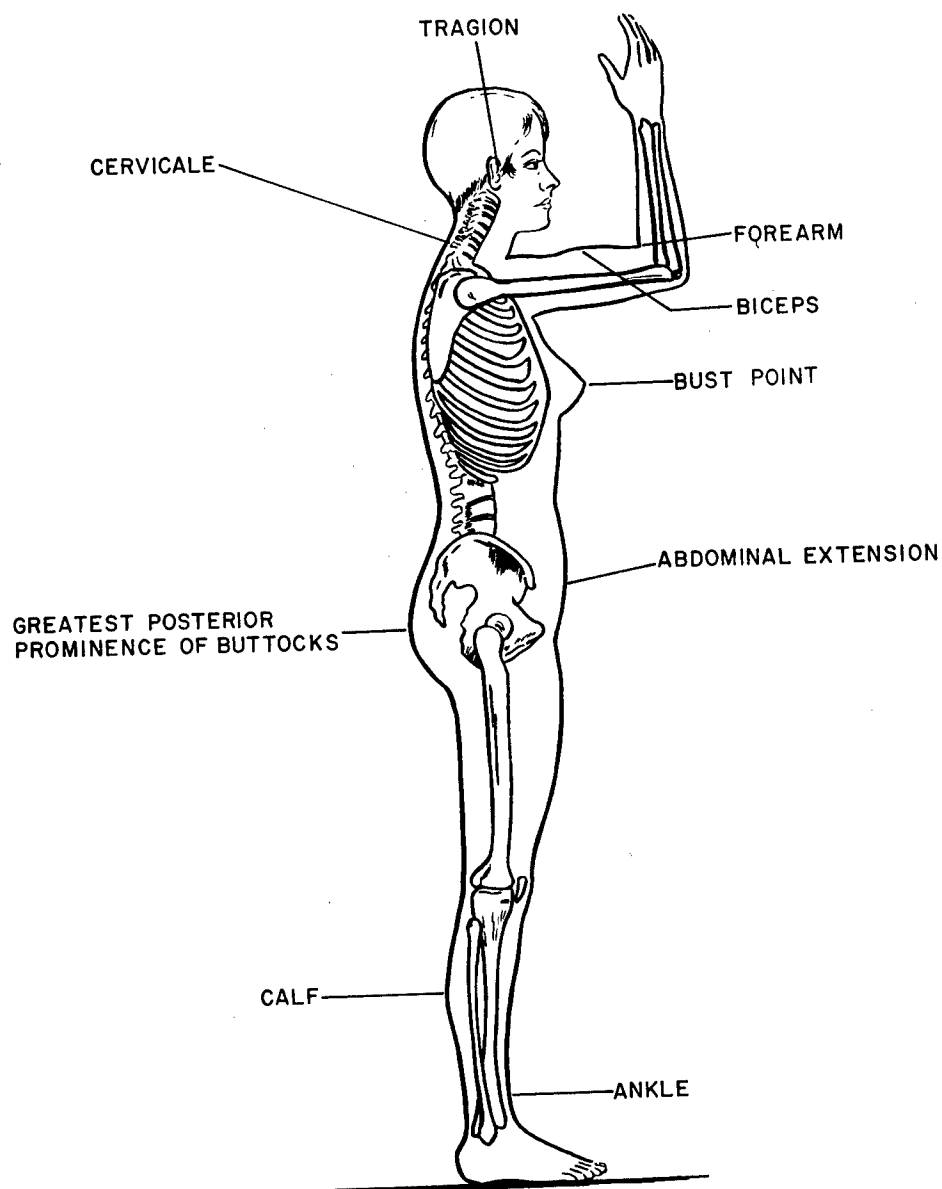


Figure 1. Location of Landmarks

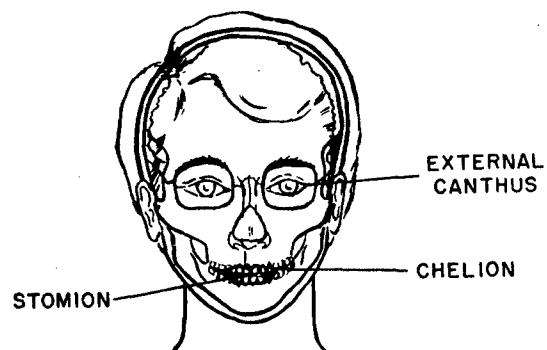
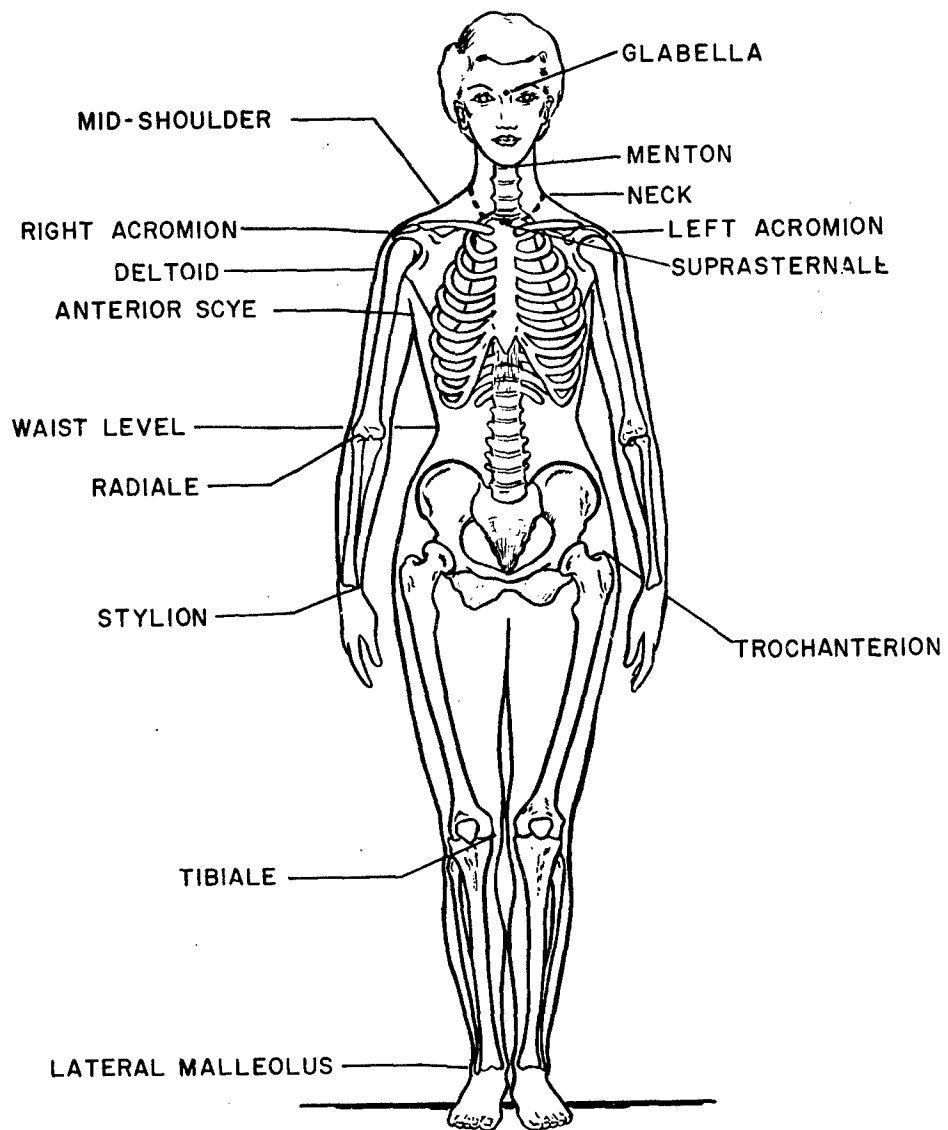


Figure 1—Concluded

BUTTOCK: Subject stands. The level of the maximum protrusion of the right buttock is determined by visual inspection and marked with a short horizontal line.

CALF, RIGHT AND LEFT: Subject stands. The level of the maximum circumference of each calf is determined with a measuring tape and marked on the medial surface with a short horizontal line.

CERVICALE: Subject stands with head in the Frankfort plane. The tip of the spinous process of the 7th cervical vertebra is determined by palpation and marked with a short horizontal line.

DELTOID: Subject stands with arms relaxed at sides. The most lateral protrusion of the right deltoid muscle is determined by visual inspection and marked with a dot.

FOREARM: Subject's upper arm is horizontal, elbow flexed 90 degrees, and fist tightly clenched. A short horizontal line is drawn one tape width (6 mm) distal to the crotch of the elbow.

GLABELLA: The most anterior point in the midsagittal plane on the forehead between the brow ridges is determined by palpation and visual inspection and marked with a dot.

HIP—7 INCH: A short horizontal line is drawn on the right hip 7 inches, as measured over the body surface with a tape, below the right waist landmark. The process is repeated on the left side.

HIP—9 INCH: A short horizontal line is drawn on the right hip 9 inches, as measured over the body surface with a tape, below the right waist landmark. The process is repeated on the left side.

INFRA-ORBITAL: The lowest point on the inferior border of the right orbit is determined by palpation and marked with a dot. This landmark, in conjunction with the right tragion landmark, facilitates the positioning of the subject's head in the Frankfort plane.

KNEE: The upper and lower borders of the patella are located by palpation and the horizontal midpoint between the borders is determined visually and marked with a short horizontal line. The subject's knee is straight but care is taken to insure that it is not locked.

LATERAL MALLEOLUS: The maximum protrusion of the right lateral malleolus is determined by palpation and marked with a short horizontal line.

MENTON: A point in the midsagittal plane on the curvature of the lower jaw, on a line approximating 45 degrees from vertical and perpendicular to a tangent of the curvature, is determined by palpation and marked with a dot.

MID-AXILLARY LINE: A vertical line originating at the center of the axillary space.

MID-SHOULDER: The point on the upper surface of the right shoulder midway between the lateral neck landmark and the acromial landmark is determined by visual inspection and marked with a short line.

NECK: Subject stands with head in the Frankfort plane. A circle is established by placing a loop over the subject's head and tightening it around the neck at the neck-shoulder juncture. The loop is adjusted so that the plane formed is perpendicular to the long axis of the neck. Anterior, right and left lateral, and posterior lines are drawn along the top edge of the loop. A vertical line is drawn to mark the right mid-lateral neck landmark.

RADIALE: The highest palpable point on the head of the right radius is determined and marked with a short horizontal line.

SCYE, RIGHT AND LEFT: These are a series of marks drawn at the axillary folds formed by the juncture of the arms and trunk. Subject stands and initially abducts

slightly her right arm; a straight edge is placed horizontally under the armpit so that the top of the straight edge touches, without compressing the tissue, the inferior point of the axillary fold. The subject then relaxes her arm and short horizontal lines are drawn at the level of the top of the straight edge on the anterior and posterior surfaces of the arms and torso. On the posterior surface, a line is also drawn upward following the fold towards the acromial landmark. The process is repeated on the left side of the body.

SCYE POINT, RIGHT AND LEFT: The intersections of the posterior horizontal scye landmarks and the lines following the axillary folds are the scye point landmarks.

STYLION: The tip of the styloid process of the right radius is determined by palpation and marked with a short horizontal line. The landmark is extended along the anterior and posterior aspects of the wrist perpendicular to the long axis of the forearm.

SUPRASTERNALE: The lowest point of the jugular notch on the superior margin of the sternum is determined by palpation and marked with a short horizontal line.

TIBIALE: Subject stands. The level of the proximal medial margin of the right tibia is located by palpation and marked with a short horizontal line.

TRAGION, RIGHT AND LEFT: The deepest point of the notch just above the tragus of each ear is determined by visual inspection and marked with a dot.

TROCHANTERIC, RIGHT AND LEFT: Subject stands. The superior point of the greater trochanter of each femur is determined by palpation and marked with a short horizontal line.

WAIST: Subject stands. The level of the waist is established using a quarter-inch elastic belt. The subject is asked to place the belt at her "normal" waist level and fasten it with minimum constriction. The belt is then adjusted, if necessary, to lie in a horizontal plane. Short lines are drawn along the top of the belt on the front, back and at both sides of the waist.

WRIST: See **STYLION LANDMARK**.

ANTHROPOMETRIC TECHNIQUES USED IN THE STUDY

There is a traditional series of body postures that a subject is instructed to assume for anthropometric measurements. These postures are an attempt at standardization so that the variance found within a group in body size is that which is associated with body size and not a compounding of this variance with differences in body posture. The body posture that the subject is asked to assume is not the posture that most people normally maintain. It is therefore desirable to describe the subject's body posture in some detail.

When the subject is measured in a standing position she is asked to balance herself with her weight evenly distributed on both feet and with her heels as closely together as is possible. The legs and trunk are held straight without stiffness and the arms hang straight but loosely at the side. The palms of the hands are turned inward so that they are at the side but are not touching the thighs. The head is positioned in the Frankfort plane so that the line of vision is parallel to the plane of the floor. The Frankfort plane is readily approximated by projecting an imaginary line through tragion and the inferior orbit of the eye and orienting the head until this imaginary line is parallel to the plane of the floor. The standing position is similar to that of the body posture in the position of military attention but without the stiffness and exaggerated bracing of the shoulders.

For measurements in the seated position, the subject is asked to sit on a cushionless flat surface. An adjustable footrest is used so that the lower legs are maintained at a 90°

angle to the long axis of the thighs. The thighs are held sufficiently apart so that their long axes are parallel. The trunk is held straight with the head oriented in the Frankfort plane. The upper arms hang relaxed at the sides with the elbows flexed so that the long axes of the forearms form 90° angles with those of the upper arms. The hands are held straight and maintain continuity with the long axes of the forearms.

Any deviation from these subject positions will be indicated in the descriptions of the measuring techniques in Section VII.

MEASURING EQUIPMENT

The following items of equipment were used:

- Physician's scales
- Anthropometers, Siber Hegner #101
- Sliding calipers, Siber Hegner #104
- Spreading calipers, Siber Hegner #106
- Caliper gauge, Siber Hegner #219
- Steel tapes, 2 meter K & E #860358
- Harpender Skinfold caliper gauge—British Indicator Ltd.
- Smedley hand-dynamometer, Preston Corp. #5032
- Foot board and block
- Headboard and slide gauge
- Table measuring board
- Wall measuring board

The type of anthropometer used in the study is shown in the photograph illustrating stature on page 70. The anthropometer is of a new design and light in weight. As shown in the photograph for gluteal furrow height on page 90, the bottom half is detachable, and with a slide forms the instrument for measuring the vertical distances from the floor to the body landmarks on the lower part of the body. The top half, as shown in the photograph for radiale-styilion length, page 120, is used as a beam caliper for measuring the breadths and depths of the body as well as for measuring segment lengths. The smaller calipers, sliding (see humeral breadth, page 196) and spreading (see femoral breadth, page 202), are primarily used to measure dimensions of the head, face, and appendages. The steel tape (see shoulder circumference, page 130) is used for body circumferences and body surface lengths; the skinfold caliper (see triceps skinfold, page 62) and the hand dynamometer (see grip strength, page 306) are some other traditional anthropometric instruments used in this survey.

The requirement for processing a large number of subjects in the minimum of time without loss in accuracy has generated the need for a number of specific measuring devices. These have been developed and used in previous surveys by the Air Force and will only be briefly described here. The foot-measuring board and block (see foot length, page 244) permit the rapid measuring of various dimensions of the foot. The head-measuring board (Hertzberg et al., 1963, p. 281-283) (see trignon to top of head, page 254) is designed to provide rectangular coordinate data for any points on the head and face. A point can be described as a distance from the back and top plane of the head, using the special gauge and pointer. The system does not in general locate the point in a three-dimensional space. However, most of the points located by this method in this survey lie in the sagittal (or profile) plane, and the distance of the other points from this plane can be approximated using other dimensions of head and face breadth.

Table- and wall-mounted scales provide a means of rapidly obtaining certain workspace measurements. The table-mounted scale consists of a sheet of centimeter interval graph paper covered with clear acetate with the zero point of the graph at the edge of the

table. This scale provided a rapid method of measuring buttock-popliteal length (page 114). The wall-mounted graph consisted of a sheet of similar centimeter interval graph paper mounted in a room corner with the zero of the scale at the corner. This graph, in conjunction with a small wood block, was used for measuring thumb-tip reach (page 122) and thump-tip reach, extended (page 124). A small metal rod with an attached centimeter tape was used in conjunction with the wall-mounted graph paper to measure overhead arm reach (page 126).

SECTION III

THE SAMPLE

A total of 1905 women was measured in this survey. That some of these women were of slender build and others were not quite so slender, that some were tall and others short, that some had big feet and others had small ones—these and similar facts are documented elsewhere in this report.

Here we are concerned with somewhat different facts about the survey sample—that it included both young girls and mature women, that some of the subjects were Colonels and others Basic Trainees, that some were nurses and others typists, some right-handed and others left-handed, and that the subjects fell into these and a variety of other categories in varying and enumerated proportions.

Most of the data reported in the first part of this section consists of background information which the subjects recorded about themselves on their survey blanks prior to being measured. This information has been taken at face value; no effort has been made to seek confirmation of it from other sources.

The second part of this section provides a brief comparison of segments of the sample with the corresponding segments of the total population of Air Force women. For this comparison, the data concerning the sample come from the information just discussed; the data concerning the total population of Air Force women were abstracted from the USAF personnel records.

RANK AND GRADE. Roughly 30% of the subjects were officers or officer trainees and 70% enlisted women or Basic Trainees. About one sixth of the officer-officer trainee series and a quarter of the enlisted women series were classed as trainees. The number in each rank and grade are listed in table I. Thanks to the presence in the survey sample of one Colonel (plus, of course, the presence of 333 Basic Trainees), the survey sample included representatives of both ends of the rank-grade spectrum of the sampled population.

AIR FORCE SPECIALTY CODES. The measured officers were predominantly nurses (about five out of every six), and half of those officers who were not nurses were classified as being in the biomedical sciences. Smaller numbers of the officers were in administration, education and training, and personnel categories. A handful of others had isolated Air Force Specialty Codes (AFSC's).

The largest single group of the enlisted women—almost half (44%) of the total non-trainee group—had medical AFSC's. This group, combined with those (8%) having dental AFSC's, constitute somewhat more than half of the enlisted women. One enlisted WAF in six had an administrative classification, and between four and six percent fell in the personnel, communications operations, supply, special duty, and accounting and finance categories. Eight percent had widely scattered AFSC's. The breakdown by the initial two digits in these codes appears in table II.

COMMAND. The distribution by major command is given in table III. Two-thirds of the sample was attached to ATC (Air Training Command), a little over a fifth to AFSC (Air Force Systems Command) and most of the remainder to SAC (Strategic Air Command). The distribution for the enlisted women is quite different from that for the officers, and the corresponding distributions for the nontrainee groups are still different.

TABLE I
DISTRIBUTION BY RANK AND GRADE

(a) Officer and Officer Trainees

<i>Rank</i>	<i>N</i>	<i>% Total Sample</i>	<i>% O and OT</i>	<i>% Officers</i>
Colonel	1	0.1	0.2	0.2
Lt Colonel	24	1.3	4.4	5.2
Major	70	3.7	12.8	15.2
Captain	121	6.4	22.1	26.2
1st Lieutenant	161	8.5	29.4	34.8
2nd Lieutenant	85	4.5	15.5	18.4
Officers	462	24.3	84.3	100.0
Officer Trainees	86	4.5	15.7	
Officers and Officer Trainees	548	28.8	100.0	

(b) Enlisted Women

<i>Grade</i>	<i>N</i>	<i>% Total Sample</i>	<i>% EW & BT</i>	<i>% EW</i>
Senior Master Sergeant	4	0.2	0.3	0.4
Master Sergeant	6	0.3	0.4	0.6
Technical Sergeant	12	0.6	0.9	1.2
Staff Sergeant	35	1.8	2.6	3.4
Sergeant	140	7.3	10.3	13.7
Airman First Class	411	21.6	30.3	40.1
Airman Basic	416	21.8	30.7	40.6
Enlisted Women	1024	53.8	75.5	100.0
Basic Trainees	333	17.5	24.5	
Enlisted Women and Basic Trainees	1357	71.2	100.0	
Total Sample	1905	100.0		

Note: Percentages for totals and subtotals in this and similar tables were obtained by direct calculation rather than by summing the part percentages. They may differ from the sum of the part percentages by small amounts.

TABLE II
DISTRIBUTION BY AIR FORCE SPECIALTY CODES

(a) Officers*

<i>Code</i>	<i>N</i>	<i>%</i>
97 Nurse	389	84.2
91-92 Biomedical Sciences	39	8.4
70 Administration	12	2.6
75 Education and Training	10	2.2
73 Personnel	4	0.9
Miscellaneous	8	1.7
	<u>462</u>	<u>100.0</u>

(b) Enlisted Women*

<i>Code</i>	<i>N</i>	<i>%</i>
90-91 Medical	440	43.9
70 Administrative	163	16.3
98 Dental	81	8.1
29 Communications Operations	60	6.1
73 Personnel	59	5.9
64 Supply	48	4.8
99 Special Duty	36	3.6
67 Accounting & Finance	35	3.5
Miscellaneous	81	8.1
	<u>1003</u>	<u>100.0</u>
Unknown	21	
	<u>1024</u>	

*Trainees omitted

DUTY LOCATION. Most of the subjects (six out of seven) were stationed at either Lackland AFB or Sheppard AFB and were measured there. Of the others, eight percent were stationed and measured at Carswell AFB, four percent were stationed at Randolph AFB and measured at Brooks AFB, and two percent were stationed at Wright-Patterson AFB where they were measured. One subject with a duty assignment at Sewart AFB was measured while she was temporarily at Randolph. The appropriate statistics for duty location are given in table IV.

AGES. In age, the sample ranged from a goodly number of basic trainees in their late teens to a small number of senior officers in their mid-fifties. Because, in part, of the large number of young trainees, the median age is approximately 21 years, and the 80th percentile is roughly 26 years. Median age for officers (exclusive of officer trainees) is 29 years; the 80th percentile is about 37 years. Median age for enlisted women beyond the grade of Airman Basic is a youthful 20 years and the 80th percentile is about 22 years. The median-aged officer trainee was between her 23rd and 24th birthdays; the median aged Airman Basic was on the eve of her 19th birthday. A computational note: all percentile calculations assumed that the data falling within an interval were spread out evenly across the width of the interval. Usually the proportion of the data falling within any one interval is small and this assumption is not important. This is not true of the 18 and 19 year categories for either the total series or the enlisted women's series, and this fact should be considered in interpreting the percentiles for these data. Summary statistics for age appear in table V with frequency distributions given in table VI.

TABLE III
DISTRIBUTION BY MAJOR COMMAND

	<i>Total</i>		<i>Enlisted†</i>		<i>Officers†</i>	
Air Training Command	1286	67.5%	1072	79.0%	214	39.0%
Air Force Systems Command	427	22.4%	177	13.0%	250	45.6%
Strategic Air Command	150	7.9%	106	7.8%	44	8.0%
Air Force Logistics Command	39	2.1%	1	0.1%	38	6.9%
Air Defense Command	2	0.1%	1	0.1%	1	0.2%
Tactical Air Command	1	0.1%			1	0.2%
	<hr/> 1905	<hr/> 100.0%	<hr/> 1357	<hr/> 100.0%	<hr/> 548	<hr/> 100.0%

	<i>Enlisted*</i>		<i>Officers*</i>	
Air Training Command	753	73.5%	129	27.9%
Air Force Systems Command	163	15.9%	249	53.9%
Strategic Air Command	106	10.0%	44	9.5%
Air Force Logistics Command	1	0.1%	38	8.2%
Air Defense Command	1	0.1%	1	0.2%
Tactical Air Command			1	0.2%
	<hr/> 1024	<hr/> 100.0%	<hr/> 462	<hr/> 100.0%

	<i>Basic Trainees</i>		<i>Officer Trainees</i>	
Air Training Command	319	95.8%	85	98.8%
Air Force Systems Command	14	4.2%	1	1.2%
Strategic Air Command				
Air Force Logistics Command				
Air Defense Command				
Tactical Air Command				
	<hr/> 333	<hr/> 100.0%	<hr/> 86	<hr/> 100.0%

†Trainees included
*Trainees excluded

TABLE IV
DISTRIBUTION BY DUTY LOCATION

<i>Location</i>	<i>Enlisted</i>		<i>Officers</i>		<i>Total</i>	
Sewart AFB			1	0.2%	1	0.1%
Wright-Patterson AFB			39	7.1%	39	2.1%
Sheppard AFB	491	36.2%	102	18.6%	593	31.1%
Randolph AFB	79	5.8%			79	4.2%
Lackland AFB	681	50.2%	363	66.2%	1044	54.8%
Carswell AFB	106	7.8%	43	7.9%	149	7.8%
	<hr/> 1357		<hr/> 548		<hr/> 1905	

TABLE V
PERCENTILES AND SUMMARY STATISTICS FOR AGE

Percentiles	Total	Off. & O. Tr.	Officers	Officer Trainees*	EW & Basics	EW	Basics
99th	46.5	50.9	51.2		40.4	43.3	23.8
95th	38.9	45.0	46.1	27.5	25.6	27.3	22.1
90th	33.0	40.8	42.2	26.6	23.4	24.1	21.3
80th	25.8	35.7	37.3	25.3	21.8	22.1	20.4
70th	23.4	32.3	33.9	24.3	21.0	21.4	19.8
60th	22.0	29.7	31.2	23.6	20.4	20.8	19.4
50th	21.0	27.6	29.0	23.1	19.9	20.3	19.0
40th	20.2	25.8	27.1	22.7	19.6	19.9	18.8
30th	19.7	24.3	25.5	22.3	19.2	19.5	18.5
20th	19.2	23.1	24.0	22.1	18.8	19.2	18.3
10th	18.6	22.3	22.7	21.7	18.4	18.7	18.2
5th	18.3	21.9	22.2	21.2	18.2	18.3	18.1
1st	18.1	21.0	21.5		18.0	18.1	18.0
Mean	23.43	29.77	30.91	23.65	20.87	21.33	19.45
SD	6.45	7.47	7.56	1.92	3.62	3.99	1.34
Veta I	2.09	1.06	0.88	1.07	4.13	3.77	1.96
Veta II	7.20	3.35	2.99	3.53	24.03	19.74	8.12
N	1905	548	462	86	1357	1024	333

*Extreme percentiles not calculated because of small sample size

TABLE VI
FREQUENCY DISTRIBUTIONS FOR AGE

Reported Age	Total		Officers (Incl. Tr.)		Officers Trainees		EW (Incl. Tr.)		EW		Basic Trainees	
	N	C%	N	C%	N	C%	N	C%	N	C%	N	C%
56-57	1	100.0	1	100.0	1	100.0						
54-55	1	99.9	1	99.8	1	99.8						
52-53	2	99.9	2	99.6	2	99.6						
50-51	5	99.8	5	99.3	5	99.1						
48-49	3	99.5	3	98.4	3	98.1						
46-47	9	99.4	6	97.8	6	97.4						
44-45	13	98.9	8	96.7	8	96.1	3	100.0	3	100.0		
42-43	28	98.2	23	95.3	23	94.4	5	99.8	5	99.7		
40-41	21	96.8	20	91.1	20	89.4	5	99.4	5	99.2		
38-39	29	95.6	27	87.4	27	85.1	1	99.0	1	98.7		
36-37	28	94.1	19	82.5	19	79.2	2	99.0	2	98.6		
34-35	35	92.7	31	79.0	31	75.1	9	98.8	9	98.4		
32-33	44	90.8	36	73.4	36	68.4	4	98.2	4	97.6		
30-31	23	88.5	19	66.8	19	60.6	8	97.9	8	97.2		
28-29	44	86.2	39	63.3	37	56.5	4	97.3	4	96.4		
26-27	82	85.0	66	56.2	55	48.5	5	97.0	5	96.0		
24-25	144	77.1	96	44.2	83	36.6	16	96.6	14	95.5	2	100.0
22-23	241	73.1	119	26.6	74	18.6	48	95.4	47	94.1	1	99.4
20-21	451	60.5	27	4.9	12	2.6	122	91.9	105	89.6	17	99.1
18-19	701	36.8					424	82.9	360	79.3	64	94.0
							701	51.7	452	44.1	249	74.8

C% = Cumulative Percentages

BIRTH PLACE. Each subject was asked to record her birthplace and those of her parents. The fifty states were grouped into nine regions, following Census Bureau practice. The birthplaces of the subjects by regions are given in table VII. In the second half of this table, the percentages of those born in the 50 states who were born in each region are compared with two sets of Census figures: first, the population of each region according to the 1950 census (the regular census closest to the median birthyear) and, second, recent estimates of the 18-44 year old population. Neither set of figures provides the ideal basis for judging the geographical representativeness of our sample. However, a comparison of the survey data with either set of these figures suggests that the total sample is fairly well balanced geographically, and the enlisted sample even a shade better balanced than the total sample. The officers, on the other hand, were born in substantially greater than expected numbers in New England and the Mid-Atlantic states (New York, New Jersey, and Pennsylvania) and, in substantially smaller than expected numbers on the west coast. However, this is not surprising since New York, New Jersey, and Pennsylvania, collectively, have the largest number of schools of nursing in the United States.

Tables VIII and IX provide cross-tabulations of the subjects' birthplaces with those of their fathers and of their mothers for the total series and, separately, for the officers and for the enlisted women. About three out of every four of our subjects were born in the same region (foreign is treated as a region here) as their father, and a similar number were born in the same region as their mother. The most consistent differences between subjects' and parents' birthplaces were, expectedly, that fewer subjects than mothers or fathers were foreign born and more subjects than fathers or mothers were born in the Pacific region.

BLOOD TYPE. The reported blood types (A-B-O system) and Rh factor data are presented in table X. The percentages reported there are in close agreement with commonly accepted values; agreement between the data for enlisted women and those for the officers is also close. This table also provides cross-tabulations of blood type and Rh factor, blood type and region of birth, and Rh factor and region of birth. Statistical tests, based on the χ^2 test, show no significant relationships in any one of these cross-tabulations.

HANDEDNESS. The classification of the subjects into right-handed, left-handed, and ambidextrous is given in table XI.

RACE. The classification of the subjects on the basis of race and the cross-tabulation on the basis of race and region of birth are reported in table XII. The sample is predominantly white, the officer group being particularly so.

MARITAL STATUS. The marital status of the subjects is listed in table XIII. About one-tenth of the group members are married, about one in thirty-three had been married previously.

AGE AT MENARCHE. Each subject was asked to supply "Age First Menstruation." A tabulation of the responses as well as selected percentiles plus means and standard deviations appear in table XIV. Unfortunately, we have no solid basis for evaluating the level of agreement between these responses and the actual ages of menarche. The mean values, 13.0 for the officers and officer-trainees and 13.2 for the enlisted women, are in agreement with the often accepted figure of "approximately 13 years."

TABLE VII
DISTRIBUTION BY BIRTHPLACE

(a) Birthplace of Subjects

<i>Region</i>	<i>Total</i>		<i>Enlisted</i>		<i>Officers</i>	
1. New England	129	6.8%	78	5.8%	51	9.3%
2. Mid Atlantic	391	20.6%	236	17.4%	155	28.3%
3. South Atlantic	240	12.6%	179	13.2%	61	11.2%
4. East North Central	347	18.2%	253	18.7%	94	17.2%
5. East South Central	132	6.9%	94	6.9%	38	6.9%
6. West North Central	180	9.5%	131	9.7%	49	9.0%
7. West South Central	195	10.3%	153	11.3%	42	7.7%
8. Mountain	56	2.9%	42	3.1%	14	2.6%
9. Pacific	168	8.8%	136	10.0%	32	5.9%
10. Foreign**	65	3.4%	54	4.0%	11	2.0%
	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>	<hr/>
	1903	100.0%	1356	100.0%	547	100.0%

1. Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut
2. New York, New Jersey, Pennsylvania
3. Delaware, Maryland, District of Columbia, Virginia, West Virginia, North and South Carolina, Georgia, Florida
4. Ohio, Indiana, Illinois, Michigan, Wisconsin
5. Kentucky, Tennessee, Mississippi, Alabama
6. Minnesota, Iowa, Missouri, North and South Dakota, Nebraska, Kansas
7. Arkansas, Louisiana, Oklahoma, Texas
8. Montana, Idaho, Wyoming, Colorado, Utah, Nevada, Arizona, New Mexico
9. California, Oregon, Washington, Alaska, Hawaii
10. Foreign** (Including U.S. Territories)

(b) Birthplace of Subjects Contrasted with Census Data
Percentages (Native Born Only)

<i>Region</i>	<i>Total</i>	<i>Enlisted</i>	<i>Officers</i>	<i>*Census-A</i>	<i>†Census-B</i>
New England	7.0	6.0	9.5	6.2	5.6
Mid Atlantic	21.3	18.1	28.9	20.0	18.5
South Atlantic	13.1	13.7	11.4	14.1	15.5
East North Central	18.9	19.4	17.5	20.2	19.2
East South Central	7.2	7.2	7.1	7.6	6.6
West North Central	9.8	10.1	9.1	9.3	7.6
West South Central	10.6	11.8	7.8	9.6	9.7
Mountain	3.0	3.2	2.6	3.4	3.9
Pacific	9.1	10.4	6.0	9.6	13.3

*Census-A 1950 census (= census closest to median birth date)

†Census-B Census estimate of 18-44 year old population as of July 1, 1966

TABLE VIII
CROSS-TABULATIONS BY BIRTHPLACE OF SUBJECT
AND BIRTHPLACE OF HER FATHER

(a) Total Series

		<i>Birthplace of Subject</i>										<i>Birthplace of Father</i>	<i>Total</i>
<i>Region</i>	1	2	3	4	5	6	7	8	9	10			
1	93	8	1	2					4	1	109		
2	9	307	15	16	3	1	6	1	9	3	370		
3	4	18	190	12	4	3	1	1	4	4	241		
4	4	11	11	239	4	15	6	2	9	2	303		
5	3	2	12	25	109	1	9	3	6	1	171		
6	1	1	2	17		144	9	9	24	2	209		
7	1	1	1	7	4	7	139	9	18	1	188		
8			2	4		2	1	28	11		48		
9	2		1			1	2	1	65	3	75		
10	9	33	2	17		1	10	1	11	48	132		
<i>Total</i>	126	381	237	339	124	175	183	55	161	65	1846		

Number on Diagonal = 1362 = 74%

(b) Officer and Officer Trainee Series

		<i>Birthplace of Subject</i>										<i>Birthplace of Father</i>	<i>Total</i>
<i>Region</i>	1	2	3	4	5	6	7	8	9	10			
1	38	3							1		42		
2	4	121	3	5	3	1	2		3		142		
3		3	49	2	1				1		56		
4	2	6	4	68	2	5	3	1	1		92		
5	2	1	3	3	31		3	1	1		45		
6			1	7		39	3	6	3		59		
7		1		1		2	26	1	2		33		
8				1				5			6		
9									15		15		
10	5	19	1	7		1	3		5	11	52		
<i>Total</i>	51	154	61	94	37	48	40	14	32	11	542		

Number on Diagonal = 403 = 74%

TABLE VIII—(Concluded)

(c) Enlisted Women (Including Trainees)

		<i>Birthplace of Subject</i>										<i>Total</i>
<i>Birthplace of Father</i>	<i>Region</i>	1	2	3	4	5	6	7	8	9	10	
	1	55	5	1	2					3	1	67
	2	5	186	12	11			4	1	6	3	228
	3	4	15	141	10	3	3	1	1	3	4	185
	4	2	5	7	171	2	10	3	1	8	2	211
	5	1	1	9	22	78	1	6	2	5	1	126
	6	1	1	1	10		105	6	3	21	2	150
	7	1		1	6	4	5	113	8	16	1	155
	8			2	3		2	1	23	11		42
	9	2		1			1	2	1	50	3	60
	10	4	14	1	10			7	1	6	37	80
<i>Total</i>		75	227	176	245	87	127	143	41	129	54	1304

Number on Diagonal = 959 = 74%

TABLE IX
CROSS-TABULATIONS BY BIRTHPLACE OF SUBJECT
AND BIRTHPLACE OF HER MOTHER

(a) Total Series

		<i>Birthplace of Subject</i>										<i>Total</i>
<i>Birthplace of Mother</i>	<i>Region</i>	1	2	3	4	5	6	7	8	9	10	
	1	102	9	6	1	1	1	1	1	2	2	126
	2	8	308	12	13	4	4	2	1	6		358
	3	1	20	194	9	4	2	5	1	4	1	241
	4	3	5	9	260	5	10	6	6	10		314
	5	1	2	11	18	108	3	5	1	6		155
	6		3	2	17	1	144	12	9	25	2	215
	7	1	3	1	6	7	7	146	4	20	3	198
	8				5		1		25	16	1	48
	9	2	3	2			3	1	4	66		81
	10	10	32	3	13		3	12	4	8	56	141
<i>Total</i>		128	385	240	342	130	178	190	56	163	65	1877

Number on Diagonal = 1409 = 75%

TABLE IX—(Concluded)

(b) Officer and Officer Trainee Series

		Birthplace of Subject										
Birthplace of Mother	Region	1	2	3	4	5	6	7	8	9	10	Total
	1	39	1	2	1					1		44
	2	3	130	3	3	1		1		1		142
	3		3	50	1	1	1					56
	4		1	3	75	1	2		3	1		86
	5				1	34	1	1		1		38
	6		1	1	4		44	5	4	3		62
	7	1	1		2	1		31		1		37
	8				1				3	3	1	8
	9	1	1						1	19		22
	10	7	16	2	6		1	4	3	2	10	51
	Total	51	154	61	94	38	49	42	14	32	11	546

Number on Diagonal = 435 = 80%

(c) Enlisted Women (Including Trainees)

		Birthplace of Subject										
Birthplace of Mother	Region	1	2	3	4	5	6	7	8	9	10	Total
	1	63	8	4		1	1	1	1	1	2	82
	2	5	178	9	10	3	4	1	1	5		216
	3	1	17	144	8	3	1	5	1	4	1	185
	4	3	4	6	185	4	8	6	3	9		228
	5	1	2	11	17	74	2	4	1	5		117
	6		2	1	13	1	100	7	5	22	2	153
	7		2	1	4	6	7	115	4	19	3	161
	8				4		1		22	13		40
	9	1	2	2			3	1	3	47		59
	10	3	16	1	7		2	8	1	6	46	90
	Total	77	231	179	248	92	129	148	42	131	54	1331

Number on Diagonal = 974 = 73%

TABLE X
DISTRIBUTION BY BLOOD TYPE AND Rh FACTOR

(a) Blood Type

<i>Type</i>	<i>Total Series</i>		<i>Officers</i>		<i>Enlisted</i>	
O	786	43.5%	233	44.7%	553	43.0%
AB	69	3.8%	25	4.8%	44	3.4%
B	237	13.1%	38	11.1%	179	13.9%
A	714	39.5%	205	39.4%	509	39.6%
	<u>1806</u>	<u>100.0%</u>	<u>521</u>	<u>100.0%</u>	<u>1285</u>	<u>100.0%</u>

(b) Rh Factor

	<i>Total Series</i>		<i>Officers</i>		<i>Enlisted</i>	
Positive	1530	85.2%	430	81.9%	1100	86.6%
Negative	266	14.8%	95	18.1%	171	13.4%
	<u>1796</u>	<u>100.0%</u>	<u>525</u>	<u>100.0%</u>	<u>1271</u>	<u>100.0%</u>

(c) Cross-Tabulation of Blood Type and Rh Factor

	<i>Blood Type</i>				
	<i>A</i>	<i>B</i>	<i>AB</i>	<i>O</i>	<i>Total</i>
Rh+	605	196	58	664	1523
Rh-	105	41	10	110	266
	<u>710</u>	<u>237</u>	<u>68</u>	<u>774</u>	<u>1789</u>

(d) Cross-Tabulation of Blood Type and Region of Birth

<i>Region</i>	<i>A</i>	<i>B</i>	<i>AB</i>	<i>O</i>	<i>Total</i>
1	43	14	6	58	121
2	137	55	12	167	371
3	89	36	7	95	227
4	140	37	13	140	330
5	49	10	5	61	125
6	78	23	4	66	171
7	77	21	7	82	187
8	21	11	3	15	50
9	60	22	9	70	161
10	19	8	3	31	61
	<u>713</u>	<u>237</u>	<u>69</u>	<u>785</u>	<u>1804</u>

(e) Cross-Tabulation of Rh Factor and Region of Birth

	<i>Region of Birth</i>										
	<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>	<i>5</i>	<i>6</i>	<i>7</i>	<i>8</i>	<i>9</i>	<i>10</i>	<i>Total</i>
Rh+	103	315	198	266	105	137	162	40	143	59	1528
Rh-	19	51	30	62	19	34	23	8	17	3	266
	<u>122</u>	<u>366</u>	<u>228</u>	<u>328</u>	<u>124</u>	<u>171</u>	<u>185</u>	<u>48</u>	<u>160</u>	<u>62</u>	<u>1794</u>

TABLE XI
DISTRIBUTION BY HANDEDNESS

	<i>Total</i>		<i>Officers</i>		<i>Enlisted Women</i>	
Right-Handed	1676	88.7%	489	89.7%	1187	88.3%
Left-Handed	167	8.8%	44	8.1%	123	9.1%
Ambidextrous	47	2.5%	12	2.2%	35	2.6%
	<u>1890</u>	<u>100.0%</u>	<u>545</u>	<u>100.0%</u>	<u>1345</u>	<u>100.0%</u>

TABLE XII
DISTRIBUTION BY REPORTED RACE
(a) Distribution of Sample by Reported Race

	<i>Total</i>		<i>Officers</i>		<i>Enlisted</i>	
White	1742	91.4%	526	96.0%	1216	89.6%
Negro	146	7.7%	15	2.7%	131	9.7%
Others	17	0.9%	7	1.3%	10	0.7%
	<u>1905</u>	<u>100.0%</u>	<u>548</u>	<u>100.0%</u>	<u>1357</u>	<u>100.0%</u>

(b) Cross-Tabulation by Race and Region of Birth

<i>Region</i>	<i>Total</i>				<i>Officers</i>				<i>Enlisted</i>			
	<i>W</i>	<i>N</i>	<i>O</i>	<i>T</i>	<i>W</i>	<i>N</i>	<i>O</i>	<i>T</i>	<i>W</i>	<i>N</i>	<i>O</i>	<i>Total</i>
1	126	2	1	129	51	—	—	51	75	2	1	78
2	365	26	—	391	155	—	—	155	210	26	—	236
3	197	43	—	240	56	5	—	61	141	38	—	179
4	338	9	—	347	93	1	—	94	245	8	—	253
5	110	22	—	132	34	4	—	38	76	18	—	94
6	178	2	—	180	49	—	—	49	129	2	—	131
7	158	36	1	195	38	4	—	42	120	32	1	153
8	53	1	2	56	14	—	—	14	39	1	2	42
9	158	1	9	168	27	—	5	32	131	1	4	136
10	57	4	4	65	8	1	2	11	49	3	2	54
	<u>1740</u>	<u>146</u>	<u>17</u>	<u>1903</u>	<u>525</u>	<u>15</u>	<u>7</u>	<u>547</u>	<u>1215</u>	<u>131</u>	<u>10</u>	<u>1356</u>

TABLE XIII
DISTRIBUTION BY MARITAL STATUS

	<i>Total</i>		<i>Officers</i>		<i>Enlisted</i>	
Single	1664	87.4%	448	81.8%	1216	89.6%
Married	194	10.2%	77	14.1%	117	8.6%
Divorced	45	2.4%	21	3.8%	24	1.8%
Other	2	0.1%	2	0.4%		
	<u>1905</u>		<u>548</u>		<u>1357</u>	

TABLE XIV
DISTRIBUTION BY REPORTED AGE AT MENARCHE

a. Frequency Distribution: Total Series and for Officers and Officer Trainees

<i>Age</i>	<i>Total</i>		<i>Officers and O.T.</i>		<i>Officers</i>		<i>O.T.</i>	
	<i>F</i>	<i>% CF</i>	<i>F</i>	<i>% CF</i>	<i>F</i>	<i>% CF</i>	<i>F</i>	<i>% CF</i>
20-21	2	100.0	1	100.0	1	100.0		
19-20	0	99.9	0	99.8	0	99.8		
18-19	2	99.9	1	99.8	1	99.8		
17-18	11	99.8	4	99.6	4	99.6		
16-17	53	99.2	8	98.9	6	98.7	2	100.0
15-16	103	96.4	20	97.4	18	97.4	2	97.6
14-15	254	90.1	57	93.7	51	93.5	6	95.2
13-14	635	77.5	176	83.2	147	82.4	29	88.1
12-13	503	43.9	154	50.8	127	50.3	27	53.6
11-12	220	17.3	91	22.5	77	22.7	14	21.4
10-11	82	5.7	25	5.7	22	5.9	3	4.8
9-10	25	1.3	6	1.1	5	1.1	1	1.2

b. Percentiles and Summary Statistics: Total Series and for Officers and Officer Trainees

<i>Percentiles</i>	<i>Total</i>	<i>Officers and O.T.</i>	<i>Officers</i>	<i>O.T.</i>
99th	16.9	17.1	17.3	
95th	15.7	15.4	15.4	15.0
90th	14.9	14.6	14.7	14.3
80th	14.2	13.9	14.0	13.8
70th	13.8	13.6	13.6	13.4
60th	13.5	13.3	13.3	13.2
50th	13.2	13.0	13.0	12.9
40th	12.9	12.6	12.6	12.6
30th	12.5	12.3	12.2	12.3
20th	12.1	11.9	11.8	11.9
10th	11.4	11.3	11.2	11.3
5th	10.8	10.8	10.8	11.0
1st	9.8	9.9	9.9	
Mean	13.18	12.96	12.98	12.89
SD	1.42	1.38	1.41	1.24
Veta I	0.30	0.68	0.73	0.26
Veta II	4.17	5.50	5.60	3.93
N	1890	543	459	84

TABLE XIV—(Concluded)

c. Frequency Distribution for Enlisted and Basic Trainees

Age	Enlisted Women		EW-BT*		Basic Trainees	
	F	% CF	F	% CF	F	% CF
20-21	1	100.0	1	100.0		
19-20	0	99.9	0	99.9		
18-19	1	99.9	0	99.9	1	100.0
17-18	7	99.8	7	99.9	0	99.7
16-17	45	99.3	34	99.2	11	99.7
15-16	83	96.0	66	95.9	17	96.4
14-15	197	89.8	152	89.4	45	91.2
13-14	459	75.2	348	74.4	111	77.6
12-13	349	41.1	256	40.2	93	44.1
11-12	129	15.2	101	15.0	28	16.0
10-11	57	5.6	36	5.0	21	7.6
9-10	19	1.4	15	1.5	4	1.2

d. Percentiles and Summary Statistics for Enlisted and Basic Trainees

Percentiles	Enlisted Women	EW-BT*	Basic Trainees
99th	16.9	16.9	16.8
95th	15.8	15.8	15.7
90th	15.0	15.1	15.0
80th	14.4	14.4	14.3
70th	13.9	14.0	13.9
60th	13.6	13.6	13.5
50th	13.2	13.2	13.2
40th	12.9	12.9	12.8
30th	12.5	12.6	12.4
20th	12.1	12.2	12.0
10th	11.5	11.6	11.4
5th	10.9	11.0	10.8
1st	9.6	9.6	9.7
Mean	13.25	13.28	13.16
SD	1.42	1.43	1.40
Veta I	0.21	0.21	0.20
Veta II	3.96	4.06	3.63
N	1347	1016	331

*Enlisted Women, excluding Basic Trainees

ESTIMATED STATURE AND WEIGHT

Each subject was asked prior to being measured to estimate her stature in inches and her nude weight in pounds. As table XV indicates, these women tended on the average to overestimate their statures by about 2.5 cm (1.0 inch) and to underestimate their weights by slightly more than three-quarters of a kilogram (1.9 pounds). Correlations between the estimate and the measured values were high. For the total series, the correlation for weight was 0.973 and that for height was 0.961. The correlations based on the officer data were slightly higher than those for the entire sample and those based on the enlisted women were slightly lower. The officers estimated their weights with a smaller average error—0.4 kg (1.0 lb)—than the average error—1.0 kg (2.2 lb)—made by the enlisted women. The average errors of the stature estimates for the two groups were approximately equal.

Six bivariate tables showing the joint distributions of estimated and measured values for weight and stature for the total, the officer, and the enlisted series are included in table XVI.

The question of how the differences between the estimated and measured values related to the actual values of height, weight, and age was explored. Subjects were categorized as being young (age 21 or younger) or old (over 21 [sic!]); of light weight (weight not over 127 pounds) or heavy weight (weight over 127 pounds); short (statures not more than 162.6 cm) or tall (stature over 162.6 cm). Table XVII lists the average difference between the estimated and measured values and the standard deviation of the differences for the subjects in each of these categories and combinations of the categories.

TABLE XV
ESTIMATED STATURES AND WEIGHTS
(TOTAL SERIES)

	<i>Statures (cm)</i>		<i>Weight (kg)</i>	
	<i>Mean</i>	<i>S.D.</i>	<i>Mean</i>	<i>S.D.</i>
Estimated	164.59	6.17	56.43	7.13
Measured	162.10	6.00	57.26	7.46
Est - Meas	2.50	1.71	-.83	1.73
N	1901		1901	
r (Est, Meas)	0.961		0.973	

TABLE XVI
BIVARIATE TABLES OF ESTIMATED AND MEASURED STATURES AND WEIGHTS
-- THE TOTAL SERIES --

		STATURE AS ESTIMATED BY SUBJECTS																		TOT
		58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	ALS	
		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
STATURE AS MEASURED	183.25																	1	1	
	181.25																		1	
	179.25																		9	
	177.25												1		4	4			14	
	175.25												5		8				13	
	173.25											8	35		9	1			53	
	171.25										5	45	25		7				82	
	169.25								1	3		35	72	12		1			124	
	167.25								7	40		94	45	1					187	
	165.25								1	25	101	50	6						183	
	163.25						2	18	108	101	10	2							241	
	161.25		1			1	21	121	104	11									260	
	159.25						6	65	114	24	2								211	
	157.25				6	46	100	36	2										190	
	155.25			1	14	100	40	5											160	
	153.25			8	35	40	5												88	
151.25			26	27	5	1												59		
149.25			16															17		
147.25		3	5															8		
145.25	1		1															2		
TOTALS		1	3	58	82	199	234	295	271	258	195	178	79	31	10	7	1	1	1903	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-STATURE	162.11	6.00	2.371X +	8.452	1.66	0.961
X-STATURE - ESTIMATED	64.81	2.43	0.389Y +	1.746	0.67	

A BIVARIATE FREQUENCY TABLE FOR

WEIGHT AS ESTIMATED BY SUBJECTS

		84	89	94	99	104	109	114	119	124	129	134	139	144	149	154	159	164	169	174	179	184	189	194	TOT
		.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	ALS
WEIGHT AS MEASURED	200.00																								1
	195.00																								2
	190.00																								2
	185.00																								2
	180.00																								7
	175.00																								3
	170.00																								7
	165.00																								14
	160.00																								17
	155.00																								30
	150.00																								48
	145.00																								71
	140.00																								122
	135.00																								142
	130.00																								181
	125.00																								231
	120.00																								241
	115.00																								221
	110.00																								209
	105.00																								152
	100.00																								113
	95.00																								61
	90.00																								22
	85.00																								4
TOTALS		1	5	22	60	112	146	243	258	232	230	186	137	109	61	34	26	11	13	3	6	3	2	3	1903

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-WEIGHT	127.26	16.58	1.019X -	0.531	3.83	0.973
X-WEIGHT AS ESTIMATED	125.40	15.83	0.929Y +	7.183	3.66	

TABLE XVI

BIVARIATE TABLES OF ESTIMATED AND MEASURED STATURES AND WEIGHTS

-- THE OFFICER SERIES --

STATURE AS ESTIMATED BY SUBJECTS

	59	60	61	62	63	64	65	66	67	68	69	70	71	72	TOT
	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	ALS
179.25															4
177.25											1	2	2	1	6
175.25											2	3			5
173.25										3	9	4	1		17
171.25									1	14	12	2			29
169.25								1	10	28	5				44
167.25							2	9	31	18					60
165.25							3	33	19						55
163.25						7	29	35	2						73
161.25					5	30	34	3							72
159.25				2	13	29	7								51
157.25			2	13	24	7									46
155.25		1	5	22	10										38
153.25		2	5	9	1										17
151.25		15	6	2											23
149.25		3													3
147.25	2	1													3
145.25		1													1
TOTALS	2	23	18	48	53	73	75	81	63	63	29	11	5	3	547

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-STATURE	162.79	6.19	2.374X +	8.363	1.51
X-STATURE - ESTIMATED	65.05	2.53	0.396Y +	0.585	0.62

A BIVARIATE FREQUENCY TABLE FOR

WEIGHT AS ESTIMATED BY SUBJECTS

	94	99	104	109	114	119	124	129	134	139	144	149	154	159	164	169	174	179	184	189	194	TOT
	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	ALS
195.00																						1
190.00																		1				2
185.00																	1		1			2
180.00																	2					2
175.00												1					2					6
170.00											2	1	1		1	4						9
165.00											1	2	4	3	2							12
160.00										1	2	12	2									18
155.00										2	4	8	10	1								25
150.00										1	7	14	1	1								24
145.00										2	9	28	3									42
140.00							4	17	17	9												47
135.00							15	25	8													48
130.00						1	11	35	14	1												62
125.00						9	33	14	1													57
120.00				1	6	33	16	2														58
115.00				4	35	8	1															48
110.00				17	24	2																45
105.00		1	16	8																		25
100.00		7	3																			10
95.00	2	2	1																			5
TOTALS	2	10	22	30	65	53	61	70	59	38	49	30	16	19	6	8	3	4	1	0	2	548

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WEIGHT	131.52	18.47	1.049X -	5.442	3.82
X-WEIGHT AS ESTIMATED	130.57	17.22	0.912Y +	10.618	3.56

TABLE XVI
BIVARIATE TABLES OF ESTIMATED AND MEASURED STATURES AND WEIGHTS

-- THE ENLISTED SERIES --

STATURE AS ESTIMATED BY SUBJECTS

	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	TOT
STATURE AS MEASURED	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	ALS
183.25																	1	1
181.25															1			1
179.25													1	2	2			5
177.25													4	2	1	1		8
175.25												3	5					8
173.25											5	26	5					36
171.25										4	31	13	5					53
169.25								1	2	25	44	7		1				80
167.25								5	31	63	27	1						127
165.25								22	68	31	6							128
163.25						2	11	79	66	8	2							168
161.25			1		1	16	91	70	8	1								188
159.25					4	52	85	17	2									160
157.25				4	33	76	29	2										144
155.25				9	78	30	5											122
153.25			6	30	31	4												71
151.25			11	21	3	1												36
149.25			13		1													14
147.25		1	4															5
145.25	1																	1
TOTALS	1	1	35	64	151	181	222	196	177	132	115	50	20	5	4	1	1	1356

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-STATURE	161.83	5.90	2.368X +	8.604	1.71
X-STATURE - ESTIMATED	64.71	2.38	0.387Y +	2.079	0.69

A BIVARIATE FREQUENCY TABLE FOR

WEIGHT AS ESTIMATED BY SUBJECTS

	84	89	94	99	104	109	114	119	124	129	134	139	144	149	154	159	164	169	174	179	184	189	194	TOT	
WEIGHT AS MEASURED	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	ALS
200.00																							1	1	2
195.00																							1		1
190.00																									0
185.00																									5
180.00																			1		2	2			1
175.00																									1
170.00																1			1						1
165.00																1		2	3						5
160.00												1				5		2							5
155.00												1				7		2							12
150.00												7		3		10		2							23
145.00											1	14		18		1									47
140.00											8	34		28											80
135.00											54	58		9											95
130.00								1			75	11		2											133
125.00							1	16			75	19													169
120.00					2		4	75			26	1													184
115.00					2		33	84			1														163
110.00					22		60	24																	161
105.00					22		33	98																	107
100.00					22		60	24																	88
95.00					9		16	2																	51
90.00					9		2																		17
85.00																									4
	1																								1
TOTALS	1	5	20	50	90	116	178	205	171	160	127	99	60	31	18	7	5	5	0	2	2	2	1	1	1355

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WEIGHT	125.53	15.41	1.015X +	0.364	3.75
X-WEIGHT AS ESTIMATED	123.32	14.73	0.927Y +	6.950	3.58

TABLE XVII

**DIFFERENCES BETWEEN ESTIMATED AND
MEASURED STATURES AND WEIGHTS
BY STATURE - WEIGHT - AGE CATEGORIES**

(a) Difference in Stature: Estimated minus Measured

(Centimeters)

	<i>Mean</i>	<i>SD</i>	<i>N</i>
Young	2.48	1.76	1150
Old	2.53	1.63	751
Light	2.28	1.71	1024
Heavy	2.77	1.68	877
Short	2.45	1.71	1046
Tall	2.55	1.68	855
Young - Light	2.28	1.73	668
Young - Heavy	2.76	1.78	482
Old - Light	2.27	1.66	356
Old - Heavy	2.77	1.56	395
Young - Short	2.50	1.73	659
Young - Tall	2.45	1.80	491
Old - Short	2.38	1.69	387
Old - Tall	2.69	1.54	364
Light - Short	2.34	1.70	765
Light - Tall	2.10	1.70	259
Heavy - Short	2.78	1.73	281
Heavy - Tall	2.75	1.66	596
Young - Light - Short	2.41	1.71	509
Young - Light - Tall	1.86	1.70	159
Young - Heavy - Short	2.81	1.76	150
Young - Heavy - Tall	2.73	1.78	332
Old - Light - Short	2.18	1.67	256
Old - Light - Tall	2.48	1.62	100
Old - Heavy - Short	2.76	1.68	131
Old - Heavy - Tall	2.77	1.50	264

Age: Young — under 22; old — 22 and over

Stature: Short — Stature not over 162.6 cm; tall — stature greater than 162.6

Weight: Light — weight not over 127 pounds; heavy — weight over 127 pounds

TABLE XVII (Concluded)

(b) Differences in Weights: Estimated minus Measured

(Kilograms)

	<i>Mean</i>	<i>SD</i>	<i>N</i>
Young	-1.06	1.70	1150
Old	-0.49	1.72	751
Light	-0.45	1.48	1024
Heavy	-1.28	1.83	877
Short	-0.80	1.57	1046
Tall	-0.86	1.86	855
Young - Light	-0.71	1.53	668
Young - Heavy	-1.54	1.79	482
Old - Light	+0.02	1.37	356
Old - Heavy	-0.95	1.86	395
Young - Short	-1.03	1.56	659
Young - Tall	-1.09	1.86	491
Old - Short	-0.42	1.59	387
Old - Tall	-0.55	1.85	364
Light - Short	-0.57	1.45	765
Light - Tall	-0.13	1.71	259
Heavy - Short	-1.46	1.84	281
Heavy - Tall	-1.18	1.85	596
Young - Light - Short	-0.79	1.44	509
Young - Light - Tall	-0.46	1.77	159
Young - Heavy - Short	-1.85	1.66	150
Young - Heavy - Tall	-1.40	1.83	332
Old - Light - Short	-0.12	1.30	256
Old - Light - Tall	+0.38	1.47	100
Old - Heavy - Short	-1.01	1.91	131
Old - Heavy - Tall	-0.91	1.85	264

Some minor tendencies appear in table XVII. Heavy women tend to underestimate their weights more than do light ones and young ones more than older ones. The young-heavy-short women gave the most discrepant estimates, underestimating their weight by 1.85 kg (4 lb) on the average; the opposite group, the old-light-tall women, on the other hand, overestimated their weights by about 0.4 kg (0.9 lb).

The mean differences for statures were about the same for all categories.

COMPARISON OF SAMPLE WITH TOTAL POPULATION OF AIR FORCE WOMEN

The following comparisons can be made between the background data for the nontrainees in the sample and for those in the total population of Air Force women:

Distributions by Rank and Grade

Distribution by rank and grade appears in table XVIII. The breakdown by rank for the officer sample is quite similar to that of the population. Staff grade officers are slightly over-represented in the sample (21%) in comparison with the population (19%). This is in contrast to many military surveys in which these higher ranks are substantially under-represented.

The sample of enlisted women, however, does not closely mirror the enlisted population. There are too many Airmen (E-2's) and too few with the grade of Staff Sergeants (E-5's) and above in the sample. The proportions of Airmen First Class (E-3's) and Sergeants (E-4's)—two categories which together contain more than half of the enlisted women—are, however, quite close for sample and population.

Distribution by Air Force Specialty Code

Distribution by AFSC for sample and population is given in table XIX. Like the officer sample, the officer population consists primarily of nurses. The proportion in the population is somewhat lower than in the sample (78% vs 84%) and there is a wider distribution of AFSC's in the population.

The population of enlisted women is considerably less concentrated in the medical field than is our sample. While 44% of the enlisted sample had medical AFSC's only 19% of the population did. The major enlisted AFSC appears to be the Administration one; 29% of the population were assigned this code as opposed to 16% in the sample. Women not in these two categories were, in the main, divided up over eight other occupational groups.

Distribution by Region of Birth

Birthplace data for about three-quarters of the total population of officers were available and are contrasted in table XX with the distribution of region of birth data for the officer sample. The two sets of data are in substantial agreement. The observation made in discussing table VII that the officers in the sample were born in substantially greater than expected numbers in New England and the Mid-Atlantic states and in smaller than expected numbers on the west coast applies equally well to the officer population.

TABLE XVIII

DISTRIBUTION BY RANK AND GRADE OF SAMPLE AND POPULATION OF AIR FORCE WOMEN

(a) Officers

	<i>Sample</i>	<i>Population</i>
Colonel	0.2%	0.2%
Lt Colonel	5.2%	4.0%
Major	15.2%	14.4%
Captain	26.2%	32.7%
1st Lieutenant	34.8%	34.3%
2nd Lieutenant	18.4%	14.5%

(b) Enlisted Women

Chief Master Sergeant		0.1%
Senior Master Sergeant	0.4%	0.4%
Master Sergeant	0.6%	2.5%
Technical Sergeant	1.2%	4.5%
Staff Sergeant	3.4%	10.0%
Sergeant	13.7%	16.5%
Airman First Class	40.1%	38.2%
Airman Basic	40.6%	27.8%

TABLE XIX

**DISTRIBUTION BY AIR FORCE SPECIALTY CODE OF SAMPLE AND POPULATION
OF AIR FORCE WOMEN**

(a) Officers

<i>Code</i>	<i>Sample</i>	<i>Population</i>
97-Nurse	84%	78%
92-Biomedical Sciences	8%	5%
70-Administration	3%	5%
75-Education & Training	2%	1%
73-Personnel	1%	5%
79-Information		1%
68-Data Automation		1%
80-Intelligence		1%
30-Communications		1%
60-Transportation		1%
Miscellaneous	2%	2%

(b) Enlisted Women

<i>Code</i>	<i>Sample</i>	<i>Population</i>
90-91-Medical	44%	19%
70-Administration	16%	29%
98-Dental	8%	3%
29-Communications-Operations		12%
73-Personnel	6%	12%
64-Supply	5%	6%
99-Special Duty	4%	
67-Accounting	3%	6%
60-Transportation	1%	4%
27-Aerospace Control	1%	2%
68-Data Systems	1%	2%
Miscellaneous	5%	4%

TABLE XX

**DISTRIBUTION BY BIRTHPLACE OF SAMPLE AND POPULATION
OF AIR FORCE OFFICERS**

<i>Region*</i>	<i>Sample</i>	<i>Population**</i>
1. New England	9.5%	10.7%
2. Mid Atlantic	28.9%	25.0%
3. South Atlantic	11.4%	14.3%
4. East North Central	17.5%	17.2%
5. East South Central	7.1%	6.9%
6. West North Central	9.1%	9.5%
7. West South Central	7.8%	8.1%
8. Mountain	2.6%	3.0%
9. Pacific	6.0%	5.3%

*Excluding foreign born

**Based on an approximately 75% sample

SECTION IV

THE STATISTICAL MEASURES

The ultimate usefulness of any survey depends to a large degree on the extent to which the huge body of measurement data it created is translated by statistical analyses into summaries which are of value in the handling of design and related problems and which reveal the important implications of the data. The statistical materials given in this portion of the report have been chosen in the belief that they provide the simplest and most generally useful univariate summaries of the third of a million data collected in the present survey. Valuable as we hope these statistics will prove to be, they contain only a small portion of the useful information embodied in the survey data. Other summaries, in particular those involving the simultaneous distribution of two or more sets of measurement data, appear in later parts of this report.

The summary statistics which traditionally have been included in anthropometric survey reports prepared by the USAF are provided here for each anthropometric variable. Measures of skewness and kurtosis have been added to the list of summary statistics, and the frequency distribution of each variable is presented in both tabular and graphic forms.

The means, standard deviations, standard errors, and the percentiles are listed in both metric and English units. The statistics are given first (to the left of the statistics' name in the tables) in the type of units in which the data were measured and then in the converted units. The intervals in the frequency tables and graphs are in the type of units in which the data were measured.

The traditional statistics reported are these:

THE ARITHMETIC MEAN. This statistic is the commonest of the averages and is what is usually meant when either of the terms "mean" or "average" is used without modification. The arithmetic mean of a number of values is the sum of these values divided by the number of the values. Thus, for example, since the 1905 women measured in this survey weighed a grand total of 242,468 pounds, their mean weight was

$$\bar{x} = \frac{\Sigma X}{N} = \frac{242,468}{1905} = 127.3 \text{ pounds}$$

The mean is designated in the statistical literature by a variety of symbols, the most common being \bar{x} , μ , and M . When more than one set of data are being considered at the same time, the several mean values may be denoted variously as: \bar{x} , \bar{y} , \bar{z} , or \bar{x}_1 , \bar{x}_2 , \bar{x}_3 , or M_x , M_y , M_z , or M_1 , M_2 , M_3 , or μ_x , μ_y , μ_z , or μ_1 , μ_2 , μ_3 .

THE MEDIAN. A second average, the median, designates the value of the "person-in-the-middle." If all the subjects in this survey had been lined up in order from the shortest to the tallest, the height (1620 mm) of the woman in the middle of the line would be the median height. The definition of the median is the same as that of the 50th percentile—50% of the data being smaller than it and 50% being larger—and the value of the median is to be found at the middle of the percentile tables. The method we used in computing the percentiles and its relationship to the definition of these statistics is discussed below; that discussion is as relevant to the interpretation of the median as it is to that of the other percentiles.

The median and the arithmetic mean have approximately the same values for most of the data gathered in this survey; for these data the question of whether one or the other is the better average is hardly important. Even for such measurement variables as weight and the skinfolds, for which the differences are largest, the differences are not substantial: 1.2 pounds for weight, and from 0.26 to 1.17 millimeters for the skinfolds.

THE STANDARD DEVIATION. The standard deviation is the basic measure of variability. If most of a set of data cluster close to their mean value, the standard deviation will be small. If, on the other hand, many of the data are either much smaller or much larger than the mean, the standard deviation will be large. By definition, the standard deviation is the square root of the average (i.e., arithmetic mean) of the squared deviations from the mean value. In formula, the standard deviation equals $SD = \sqrt{\sum (x - \bar{x})^2 / N}$ where \sum is the summation operator, x represents the individual values, \bar{x} their arithmetic mean, and N the number of values.

A useful way of conceptualizing the standard deviation is to consider the middle two-thirds of a set of data such as the values of stature. The smallest value in this middle two-thirds will be about one standard deviation below the mean value and the largest value in this set will be roughly equal to the mean value plus one standard deviation. Similarly, the middle 95 percent of the data will have values ranging from approximately two standard deviations below the mean to two standard deviations above it.

The standard deviation is usually designated by SD , s , or σ . Any one of these may be subscripted when several variables are being considered simultaneously. The word "sigma" ($=\sigma$) is sometimes used verbally to refer to the standard deviation.

THE COEFFICIENT OF VARIATION. This statistic is a restatement of the standard deviation as a percent of the mean, and it is usually denoted by the letter V . Thus,

$$V = 100 \cdot SD / \bar{x}.$$

The relationships which were noted for the standard deviation have equivalent forms in terms of V . Thus, about two-thirds of a set of data will lie between $(100 - V)\%$ and $(100 + V)\%$ of the mean, about 95 percent will lie between $(100 - 2V)\%$ and $(100 + 2V)\%$ of the mean, and so forth.

For many anthropometric variables, the coefficient of variation varies within a much narrower range than does the standard deviation. The value of V is often associated with the general anatomical nature of the variable involved. Long bone lengths (major heights, hand length, and so forth) tend to have coefficients of variation in the 3.5% to 5% range; fleshy circumferences have ones which range from 6% to 10%; and those for the skinfolds are mostly in the 30% to 40% range.

THE PERCENTILES. This group of statistics belongs to a class of measures designated as "measures of order or position." These measures can be thought of as being obtained by arranging the data in order from the smallest value to the largest one and then observing the value of the datum which lies at a specified position in the array. The smallest value, the next-to-the largest value, the middle value, and the like are examples of this type of statistics.

Perhaps the most useful of these statistics are the percentiles. The 99 percentiles—ranging from the 1st to the 99th—are the values at the points which separate consecutive blocks or units of 1% of the data in the ordered array. The first percentile is the value which separates the smallest 1% of the data from the 99% of the data with larger values; the second percentile separates the smallest 2% from the larger 98% and so on.

Twenty-five of these percentiles: the 1st, 2nd, 3rd, 97th, 98th, 99th, plus the h th for all values of h which are multiples of 5, are listed for each anthropometric variable. Several of the listed percentiles have additional names: in particular, the 50th percentile is the median; the 25th, 50th, and 75th are the 1st, 2nd, and 3rd quartiles; and the 10th, 20th, 30th, . . . , 90th are the nine deciles.

The percentiles given here are computed by a procedure which follows the spirit rather than the letter of definition. The reasons for doing this and a description of the computational procedure are in the section on computational procedures.

THE STANDARD ERRORS. All statistics computed from a sample of data are subject to the effects of sampling error. When a sample has been selected by a random or other probability sampling process, it is often possible to estimate the magnitude of the sampling error. For many statistics, this estimate takes the form of the standard error of that statistic. The standard error is a standard deviation type statistic and is such that, were a large number of samples of data selected in the same way from the same population, about two-thirds of the samples would have means (or standard deviations or percentiles or whatever) with values which lie within a standard error of the corresponding population statistic, 95% within two standard errors, and so forth. Hence, it is conventional to suppose, when dealing with the statistics computed from a single sample, that the population statistics may well be within a standard error—up or down—of the corresponding sample statistics, and that it is rather likely that they are within two standard errors.

Each statistic has its own standard error, the value of which depends on the statistic, on the sample size, and, often, on the standard deviation of the data. The standard errors of most common statistics (except the range) are, for the large samples, inversely proportional in size to the square root of the sample size.

For each variable, the standard error of the mean ($=SD/\sqrt{N}$) and that of the standard deviation ($=SD/\sqrt{2N}$) are listed. The standard errors of the other statistics used in this report can be computed using the following formulas:

<i>Statistic</i>	<i>Standard Error</i>
30th thru 70th Percentiles	1.3 SE of the Mean
20th, 25th, 75th & 80th Percentiles	1.4 SE of the Mean
15th & 85th Percentiles	1.5 SE of the Mean
10th & 90th Percentiles	1.7 SE of the Mean
5th & 95th Percentile	2.1 SE of the Mean
3rd & 97th Percentile	2.5 SE of the Mean
2nd & 98th Percentile	2.9 SE of the Mean
1st & 99th Percentile	3.7 SE of the Mean
Coefficient of Variation	$V/\sqrt{2N}$
Veta I	$\sqrt{6/N}$
Veta II	$\sqrt{24/N}$

The standard error is variously designated as SE, SE (Z) where Z is the statistic involved, σ_z , and so forth. When a statistic is presented as "164.28 \pm 0.93", the value "0.93" is usually (though not always) the standard error of that statistic.

The standard error is a well established statistic of widespread use, and it is generally expected that the various standard error values and a discussion of them will be included in a report of this type. Nevertheless, since probability sampling was not used in this survey, it is not clear what relationship exists between these standard errors and the actual sampling errors of the statistics reported here. A similar comment can, of course, be made about the sampling errors for all other large scale, broad anthropometric surveys.

The standard errors of the mean, the standard deviation, and the central percentiles are generally rather small, most of them being less than 1.0 or 1.5 millimeters, a value of no real significance in evaluating these statistics.

The two statistics not listed in previous USAF anthropometric reports are:

VETA I—A MEASURE OF SYMMETRY. The statistic β_1 is based on the fact that in a symmetric distribution every value equal to a given amount greater than the mean will be matched by a value an equal amount less than the mean, so that the cubes of the devia-

tions from the mean—half negative and half positive—add to zero. Although the converse of this fact is by no means true—a zero sum of the cubed deviations in no way implies a symmetric distribution—the size of this sum when properly adjusted is often considered a useful indication of whether a set of data is unsymmetrically distributed and, if so, how badly. Such a use seems reasonably justified for the kind of data reported here.

Veta I is computed from the sum of the cubed deviations by dividing it by the sample size and the cube of the standard deviation, producing a dimensionless statistic:

$$\beta_1 = \frac{\sum (x - \bar{x})^3}{N \cdot SD^3}$$

VETA II—A MEASURE OF KURTOSIS. The statistic β_2 is similarly computed from the fourth powers of the deviations:

$$\beta_2 = \frac{\sum (x - \bar{x})^4}{N \cdot SD^4}$$

The interpretation of β_2 is not obvious; its major value, along with β_1 , is that its value provides a basis for judging the level of agreement between the normal distribution and the actual distribution of the data.

The normal distribution values for β_1 and β_2 are 0 and 3. In theory, data distributions can deviate from either of these values without deviating from the other. For the data of this study, however, deviant values of either one, β_1 or β_2 , are usually accompanied by deviant values of the other. Most of these deviant values indicate positive skewness ($\beta_1 > 0$) and platykurtosis ($\beta_2 < 3$).

When we have occasion to spell out the symbol ' β ', we have used 'Veta' in accordance with contemporary Greek pronunciation.

THE FREQUENCY TABLES. The frequency tables group the data for each variable into a table containing up to fifty intervals. The procedure used to select the intervals actually used is described in the section on computational methods. Most of the variables, except those with the smallest ranges, were grouped in intervals 5 mm or 10 mm wide; these intervals always started with values ending in 2.5 mm or 7.5 mm to minimize the effect of any overuse of 0's and 5's as final digits. Often two or more variables for which the same interval width was used have overlapping ranges. To facilitate comparisons of these tables, the intervals were chosen so that the intervals for any such variables within the range of overlap will coincide.

The tables list, for each interval, the endpoints of interval, the number of women whose measurement falls within the interval (F), the cumulative frequency (CUMF), that is, the number of women whose measurement did not exceed the upper end point of the interval, and the values of F and CUMF expressed as percentages of the total number of women measured (FPCT and CUMPCT).

The frequency graphs are based on the data grouped exactly as for the frequency tables. The scale at the base of the graph represents the midpoints of the intervals. The small triangle near the middle of the base locates the mean value. The hatched areas extend along the baseline from the point two standard deviations below the mean to the point one standard deviation below the mean, and from the point one standard deviation above the mean to the point two standard deviations above the mean.

SECTION V

THE COMPUTATIONAL PROCEDURES

The statistical material given in this report is the result of the interaction of a number of factors. The most important of these are the 'true' dimensions of the women measured, the measuring techniques used to approximate these dimensions, and the process by which the data were recorded and analyzed. The measuring procedures are extensively described elsewhere in this report. The steps in the data processing which followed the actual measuring are equally deserving of adequate description. Such a description is the concern of this portion of the report.

All the data were initially recorded on the survey blank, a copy which is shown in appendix I. The blank was printed on special two-part paper which had been treated so that the undersheet became, in effect, a carbon copy of the coversheet. The creation, in this manner, of two copies of the completed blanks reduced the possibility of loss of the data records and facilitated the early stages of the data processing by making it feasible to ship one copy back from the field promptly and by ordinary mail.

The measurement data were recorded on the blank by the several recorders. Each measuring station was staffed by a pair of young women who alternated (as they wished) between the roles of measurer and recorder. The data processing began with the transferring of the data from the blank to punch cards. To facilitate this transfer, the blank was divided into several sections, each containing the material which would fit into one of the eight cards used for each subject. Each section (except the first) was labeled with the number of the card to which it corresponds.

Although the normal length of the measured values ranged from two to four digits, three columns were assigned to each variable without regard to the size of the measured values. Three small boxes followed each measured variable name on the blanks. The specified three digits were recorded in these boxes and the card punch operator was instructed to punch only the numbers occurring in the boxes. The two-digit measured values were easily enlarged to three-digit values by adding a leading zero or blank. The four-digit numbers were reduced to three-digits by dropping the initial digit. This dropping of the initial digit caused no loss of information since this digit could always be reconstructed unambiguously by the computer.

The proper values for several of the four-digit measurements—stature, cervicale height, and vertical trunk circumference, for example—always fell between 1000mm and 2000mm. An initial digit of 1 was automatically supplied for such measurements. A second group of measurements—typified by waist height, sitting height, and several of the horizontal torso circumferences—had values which were sometimes greater and sometimes less than 1000mm. These measurements always fell in the 500-1500mm range.

An initial digit of 1 was provided if the punched value was less than 500; otherwise the initial zero—automatically supplied by the computer—was retained. Thus, for example, a stature of 1624 was punched as 624 and converted by the computer back to 1624, a waist height of 1016 was punched as 016 and converted by the computer, since 016 is less than 500, to 1016. A sitting height read into the computer as 976, on the other hand, was not modified by the computer. This procedure simplified the punching by making it possible to punch all cards, except the first one, with the same program card. A similar simplicity could have been achieved by reserving four columns for each variable, but such a procedure would have substantially increased the amount of key punching and would have increased the number of cards required for each subject from 8 to 10.

The measurement data were punched from the series of boxes just described. To obtain maximum accuracy in the punching, the data were subjected to two separate punchings, and the resulting two decks of cards were subsequently compared, column by column, by the computer. The computer provided a list by subject and variable numbers of all discrepancies between the two punchings. This procedure was used because it appeared to be considerably more rigorous than the more conventional verifying process.

The verifying process, essentially a repunching of the original cards with a blunt 'punch' which will pass through the card only where it has already been punched, allows the second punch operator a maximum of three attempts to reach agreement with the first operator on each punch. The method we have used provides only a single opportunity, and gives rise to a careful examination of the data blank for each digit on which the two operators did not agree, and, we believe, substantially reduces the number of punching errors.

The procedure used in punching the background data was designed to minimize the amount of hand-coding. As a rule, the non-numeric data were recorded by punching the first two or three letters of a response. Thus, for example, the three birthplace responses were usually entered into the cards by punching the first three letters of a state's name, or its initials if the name was made up of two words, or an abbreviation if that is what the subject had written. The computer then checked all such entries, recording, for example, a code 23 (third state in second census area) whenever it encountered a PEN or PA. This procedure needed to be modified for two pairs of states: Alabama and Alaska, and Missouri and Mississippi, because their initial three letters were not unique. The key-punch operator was instructed to punch ALB, ALK, MO, MSP, respectively, for these states; ALA and MIS punches were treated as errors and checked back to the data blanks. Fortunately, few subjects and parents of subjects were born in these states, and most of the birthplace punching was straightforward. Grade and rank, location, and command were treated similarly. Race and marital status were recorded by punching a single letter. Specific duty was punched as recorded; this information was used in analyzing the AFSC data but was not entered on the magnetic tape records.

All major steps in the data processing following the card punching was done on an IBM 7094-7044 direct coupled system operated by the Computing and Information Systems Division, Computer Science Center, Aeronautical Systems Division, at Wright-Patterson AFB. All programs were written in Fortran IV and all computations were done using single precision arithmetic.

The punch cards were read into the computer and transferred to magnetic tape. At this point, the initial digits required by the reduction of some of the data to three punched digits were added in the manner already described. Adjustments were also made for three measurements (crotch height, elbow-rest height, and popliteal height) whose recorded values had been read at the lower edge of the anthropometer arm although the actual measurement was to the upper edge and for overhead reach, the scale for which started 1.5 meters above the floor. It was felt that adjustments of this type can be easily and accurately made by the computer and that it is desirable to keep to an absolute minimum the amount of adjustment that is required of the measurers.

The transferring of the data to the tape records and the initial analyses of the data began as soon as the first few hundred records had been punched. As additional records became available in machine-readable form, the tape record was updated by adding the new records and making any changes in the earlier records which the preliminary analysis suggested.

During most of the period of the data processing a set of three tapes—the current one and its two immediate ancestors—was kept to minimize the problem of reconstructing the current tape had it been destroyed or become impossible to read.

The first steps in the analysis consisted of checking the data for possible errors which

might have occurred at any point in the gathering-recording-transcribing process. Two computer procedures were used for this purpose: the first to isolate values for any variable which were inconsistent with the other data for that variable and the second to isolate values for any variable which were inconsistent with other data for the same individual.

The first of these programs, designated as the XVAL (= extreme value) program performed the following functions:

- a. it provided, for each variable, a list of the ten smallest and the ten largest values and the associated subject numbers;
- b. it calculated, for each variable, the mean, the standard deviation, β_1 and β_2 ;
- c. it estimated, for each variable, the mean and standard deviation on the basis of all the data except the twenty extreme values.

Values far out of line with respect to other values for the same variable could usually be identified from this program's printouts. The presence of such outliers was often signaled by several items in the program output. The size of the smallest or largest values itself was usually a clear indicator of a major error, as was a substantial difference between the standard deviation and the standard deviation as estimated from the central N-20 values. The measure of kurtosis, β_2 , described in the section on statistical measures, very effectively signaled the presence of even one or two values lying well outside the 'normal' range.

For a normal (i.e., gaussian) distribution the theoretical value of β_2 is 3.0, and, as is reported elsewhere in this report, the final values for this statistic were generally pretty close to 3, being somewhat larger for variables with skewed distributions. On the other hand, a single highly extraneous value in a set of data can force the value of β_2 up almost to a value equal to the sample size. Punching errors (this analysis was begun before the second punching and the comparison of the first and second ones had been carried out) in the early stages of the data analysis resulted in values of β_2 as high as 500.

All values signaled by the XVAL program as questionable were investigated and obvious errors corrected. The data were further examined by use of the editing program. This program was designed to evaluate each recorded datum in terms of related data for the same individual. Each woman's stature, for example, was compared by means of multiple regression equations with her cervicale and acromial heights. Similarly, each subject's waist circumference was weighed as reasonable or unreasonable in terms of the combination of her waist breadth and her waist depth.

A total of 132 three-variable combinations was used in the editing analysis. Fifty more-or-less typical combinations are listed in table XXI.

The primary criterion for the selection of the variables which are grouped together was that one or more members of a combination could be estimated with reasonable accuracy from the other members of the combination. Each variable was included in at least one combination, and all but a few were included in at least two.

The computer calculated regression equations for each variable in a combination in terms of the other two. Once the equations (and the associated standard errors) had been computed, the equations were used to estimate the values of the variables in each combination. These estimates were compared with the recorded values. Whenever an estimate and the recorded value differed by more than five times the appropriate standard error of estimate, an error message was printed out. This message contained, in addition to the estimate and recorded value, a considerable amount of other data about the subject in question which were deemed to be of value in evaluating the questioned datum. Thus, for

TABLE XXI

SELECTED EDITING PROGRAM COMBINATIONS

A. Mostly Heights and Lengths

1. Stature, maximum; stature; cervicale height
2. Stature; cervicale height; acromial height
3. Cervicale height; acromial height; suprasternale height
4. Acromial height; suprasternale height; bustpoint height
5. Suprasternale height; bustpoint height; waist height
6. Bustpoint height; waist height; abdominal extension height
7. Waist height; abdominal extension height; trochanteric height
8. Abdominal extension height; trochanteric height; buttock height
9. Trochanteric height; buttock height; gluteal furrow height
10. Buttock height; gluteal furrow height; tibiale height
11. Gluteal furrow height; tibiale height; crotch height
12. Tibiale height; crotch height; ankle height
13. Crotch height; ankle height; lateral malleolus height
14. Waist height; waist height, over foundation garment; abdominal extension height
15. Abdominal extension height; abdominal extension height, over foundation garment; waist height
16. Waist height, over foundation garment; abdominal extension height, over foundation garment; waist height
17. Sitting height, relaxed; sitting height; eye height, sitting
18. Sitting height; eye height, sitting; midshoulder height, sitting
19. Waist height, sitting; waist height; crotch height
20. Acromion-radiale length; elbow rest height; midshoulder height, sitting
21. Buttock-popliteal length; popliteal height; crotch height
22. Acromion-radiale length; radiale-styilion length; thumb-tip reach

B. Mostly Circumferences

23. Shoulder circumference; chest circumference at scye; bust circumference
24. Chest circumference at scye; bust circumference; chest circumference below bust
25. Bust circumference; chest circumference below bust; waist circumference
26. Chest circumference below bust; waist circumference; abdominal extension circumference
27. Waist circumference; abdominal extension circumference; hip circumference—seven inches below waist level
28. Abdominal extension circumference; hip circumference—seven inches below waist level; hip circumference—nine inches below waist level
29. Weight; buttock circumference, sitting; hip circumference—seven inches below waist level
30. Hip circumference—seven inches below waist level; hip circumference—seven inches below waist level, over foundation garment; buttock circumference, sitting, over foundation garment
31. Abdominal extension circumference, over foundation garment; hip circumference—seven inches below waist level, over foundation garment; hip circumference—nine inches below waist level, over foundation garment

TABLE XXI—(Continued)

- 32. Scye circumference; axillary arm circumference; biceps circumference, relaxed, right
- 33. Axillary arm circumference; biceps circumference, relaxed, right; biceps circumference, relaxed, left
- 34. Biceps circumference, flexed, right; biceps circumference, flexed, left; biceps circumference, relaxed, left
- 35. Forearm circumference, flexed; wrist circumference; hand circumference

C. Mostly Breadths

- 36. Chest breadth; waist breadth; waist breadth, over foundation garment
- 37. Waist breadth, over foundation garment; hip breadth; thigh breadth, sitting
- 38. Humerus breadth, right; humerus breadth, left; femur breadth, right

D. Torso Combinations

- 39. Chest circumference below bust; chest breadth; chest depth
- 40. Waist circumference; waist breadth; waist depth
- 41. Shoulder circumference; biacromial breadth; bideltoid breadth
- 42. Bustpoint to bustpoint breadth; strap length; chest breadth

E. Head and Face

- 43. Tragon to top of head; ectocanthus to top of head; pronasale to top of head
 - 44. Ectocanthus to top of head; pronasale to top of head; subnasale to top of head
 - 45. Subnasale to top of head; stomion to top of head; menton to top of head
 - 46. Menton-subnasale length; menton to top of head; subnasale to top of head
 - 47. Tragon to wall; ectocanthus to wall; pronasale to wall
 - 48. Head circumference; head length; head breadth
 - 49. Head breadth; bitragon diameter; biauricular breadth
 - 50. Sagittal curvature; bitragon-coronal curvature; head circumference
-

example, if the apparently out-of-line value was a stature measurement, the message would include all the subject's other height measurements, expressed both in millimeters and in standard score form.

Each questioned value was thoroughly examined. Because this analysis was begun before the second punching of the data, many of the errors were punching mistakes. These errors were, of course, rectified. Often when the value for some variable appeared to be most unlikely, the other data for the subject would indicate a value for this variable which a simple observational or recording error could have turned into the recorded value. Thus, for example, a subject might have values for stature, cervicale height, acromial height, and bustpoint height all approximately equal to the mean values of these measurements, plus a suprasternale height value of 1230mm, a value somewhat below the 5th percentile for suprasternale height. In such a case, it seemed quite reasonable to believe that this woman's suprasternale height had actually been 1320mm—approximately average—and that the second and third digits had been reversed in the recording, and a corresponding change was made in the data. In general, when the data indicated quite clearly both that a value was in error and what—approximately—the correct value almost certainly was, the appropriate change was made.

The large number of measurements made on each woman and the generally high level of intercorrelations among the variables made it possible to estimate almost any one of the variables with high accuracy from a knowledge of the others. It was, therefore, possible to do a fairly thorough editing job on most of the variables, although there were a few variables—nasal breadth, for example—which are less well edited because they do not correlate well with any other variables.

Computation of the summary statistics and frequency tables were carried out on the computer working from the magnetic tape record of the edited data. A stripped-down version of the computer program used for the calculations appears in figure 2.

Four constants were stored in the computer for each variable before the calculations began. These constants are the following:

- (a) $A_{i, 1}$ — the lower limit of the first interval in the frequency table for the i -th variable;
- (b) $A_{i, 2}$ — the maximum value attained by the i -th variable;
- (c) $A_{i, 3}$ — an integer value approximately equal to the average value of the i -th variable, and
- (d) WID_i — the width of the intervals for the i -th variable.

The first of these constants was, of necessity, either equal to or slightly less than the minimum value of the i -th variable. The first two constants thus defined a range of values into which every value for the i -th variable should fall. Each datum was tested as it was read into the computer to insure that it did, in fact, lie within the appropriate range.

The third of these constants, $A_{i, 3}$, was available for subtracting from each value for the i -th variable. All summations required for the statistical computations were based on the resulting differences. This procedure was introduced so as to markedly reduce the size of the summations and, thus, virtually eliminate the truncation errors which would have occurred had the summations been based directly on the raw data.

The first and last of the stored constants were used in establishing the frequency tables. Several criteria were used in selecting these constants in an effort to secure the most useful frequency tables. Fifty intervals seemed, on both theoretical and practical bases, to be a reasonable upper limit to the length of the tables and was accepted as such. Interval widths were generally chosen as being the smallest value equal to:

1, 2, 5, 10, or 15

times the unit of measurement—millimeters in most cases—which could be used without requiring more than 50 intervals.

Tables with intervals 5 units wide or wider were assigned starting values ($A_{i, 1}$) such that all values within 2.5 units of a value ending in 0 or 5 were in the same interval. Thus, for example, the first interval for tibiale height was from 337.5 to 342.5 mm, grouping together all values recorded as 338, 339, 340, 341, or 342 mm. This procedure was used to minimize the effect of any overuse of 0's and 5's as final digits in the recording of the data. Consequently, intervals 5 or 15 units wide began alternately with values ending in 2.5 and 7.5. Intervals with widths of 10 units were always assigned endpoints starting with 2.5 units to provide for maximum comparability among the tables. Intervals with widths of 2 units always begin, for the same reason, with lower limits 0.5 units above the even values; intervals of 15 units begin 7.5 units above an integer multiple of 15.

In observing how these criteria have been applied in this report, note that the units in which the tables are labelled are usually centimeters, rather than millimeters, the units in which most of the data had been measured.

Figure 2.

COMPUTER PROGRAM

```

C***  A PROGRAM TO COMPUTE MEANS, STD DEVIATIONS AND PERCENTILES          MSDP 1
      DIMENSION PEG(25,4),P(25),S(200,5),O(5),W(5)                      MSDP 2
C***  COMMON PROVIDES ACCESS FOR ALL PROGRAMS TO NAY=VARIABLE NAMES,      MSDP 3
C      A=(MIN, MAX, AND APPROXIMATE MEAN VALUES) WID= INTERVAL WIDTHS,    MSDP 4
C      F, PF, CF, & CPF = FREQ, % FREQ, CUMULATIVE, & % CUMJLATIVE FREQ  MSDP 5
C***  DISTRIBUTIONS, NV = NUMBER OF VARIABLES                             MSDP 6
      COMMON NAY(200,3),A(200,5),WID(200),F(200,50),CF(50),PF(50),      MSDP 7
      +CPF(50),NV                                                         MSDP 8
      COMMON/ININ /NSUB,X(200)                                           MSDP 9
      COMMON /OUTOUT/AVG,SEM,SD,SESD,SPTL(25),V,V1,V2,N,PTL(25)         MSDP 10
C***  PEG AND P ARE THE CONSTANTS USED IN CALCULATING THE PERCENTILES    MSDP 11
      DATA PEG /                                                         MSDP 12
      1-.3654,-.3227,-.2955,-.2585,-.2014,-.1628,-.1323,-.1059,-.0823,  MSDP 13
      2-.0605,-.0398,-.0198,+.0000,+.0198,+.0398,+.0605,+.0823,+.1059,  MSDP 14
      3+.1323,+.1628,+.2014,+.2585,+.2955,+.3227,+.3654,+.4305,+.2952,  MSDP 15
      4+.2178,+.1233,+.0026,-.0622,-.1035,-.1325,-.1529,-.1672,-.1768,  MSDP 16
      5-.1823,-.1840,-.1823,-.1768,-.1672,-.1529,-.1325,-.1035,-.0622,  MSDP 17
      6+.0026,+.1233,+.2178,+.2952,+.4305,-.4331,-.1397,-.0009,+.1350,  MSDP 18
      7+.2404,+.2529,+.2359,+.2059,+.1694,+.1293,+.0871,+.0440,+.0000,  MSDP 19
      8-.0440,-.0871,-.1293,-.1694,-.2059,-.2359,-.2529,-.2404,-.1350,  MSDP 20
      9+.0009,+.1397,+.4331,+.4275,-.0425,-.2059,-.3019,-.2586,-.1585,  MSDP 21
      A-.0666,+.0107,+.0717,+.1178,+.1499,+.1688,+.1752,+.1688,+.1499,  MSDP 22
      B+.1178,+.0717,+.0107,-.0666,-.1585,-.2586,-.3019,-.2059,-.0425,  MSDP 23
      C+.4275/                                                            MSDP 24
      DATA P / 1.,2.,3.,5.,10.,15.,20.,25.,30.,35.,40.,45.,50.,      MSDP 25
      *55.,60.,65.,70.,75.,80.,85.,90.,95.,97.,98.,99./                MSDP 26
C***  SETUP PROVIDES CSTS UNIQUE TO THE PROBLEM AT HAND, READYS INPUT    MSDP 27
      CALL SETUP                                                         MSDP 28
      DO 11 J=1,NV                                                         MSDP 29
      DO 12 K=1,5                                                         MSDP 30
12    S(J,K) = 0.0                                                         MSDP 31
      DO 13 K = 1,50                                                       MSDP 32
13    F(J,K) = 0.0                                                         MSDP 33
11    CONTINUE                                                            MSDP 34
C***  INPUT PROVIDES WHEN CALLED A DATA RECORD OF A SUBJECT NUMBER,      MSDP 35
C      NSUB, & NV DATA VALUES, X(I). AFTER THE LAST RECORD, INPUT     MSDP 36
C***  RETURNS A PSEUDO DATA RECORD WITH A NEGATIVE SUBJECT NUMBER       MSDP 37
1    CALL INPUT                                                            MSDP 38
      IF (NSUB.LE.0) GO TO 99                                              MSDP 39
C***  CHECK THAT EACH VALUE IS IN RANGE.                                  MSDP 40
      DO 2 I=1,NV                                                         MSDP 41
      IF ((X(I).GE.A(I,1)).AND.(X(I).LE.A(I,2)))GO TO 2                 MSDP 42
      IF (X(I).EQ.0.0) GO TO 2                                             MSDP 43
C***  WRITE AN ERROR MESSAGE IF X(I) IS OUT OF RANGE AND SET X(I)=0      MSDP 44
      WRITE (6,9) I,NSUB,X(I),A(I,1),A(I,2)                             MSDP 45
9    FORMAT(I5,20H1TH VALUE FOR SUBJECT,I5,24H IS OUT OF RANGE. X(I) =,  MSDP 46
      +F5.1,10H RANGE IS ,F5.1,3H TO,F5.1,18H. X(I) SET TO ZERO)        MSDP 47
      X(I)=0                                                              MSDP 48
2    CONTINUE                                                            MSDP 49
C***  ACCUMULATE SUMS OF THE FIRST FOUR POWERS OF X                      MSDP 50
      DO 3 I=1,NV                                                         MSDP 51
      IF (X(I).EQ.0.0) GO TO 3                                             MSDP 52
      Y=X(I)-A(I,3)                                                       MSDP 53
      Z= 1.0                                                             MSDP 54
      DO 4 J=1,5                                                         MSDP 55
      S(I,J)=S(I,J)+Z                                                     MSDP 56
4    Z=Z*Y                                                                MSDP 57
C***  DETERMINE APPROPRIATE INTERVAL IN FREQUENCY TABLE                MSDP 58
      J=(X(I)-A(I,1))/WID(I)+1.0                                         MSDP 59

```

Figure 2 (Concluded)

```

        IF (J.LT.1.OR.J.GT.50) GO TO 9987
        F(I,J)=F(I,J)+1.0
3      CONTINUE
        GO TO 1
C*** SUMMATIONS ARE NOW COMPLETE. COMPUTATION OF FINAL RESULTS BEGIN
99     CONTINUE
        DO 100 I=1,NV
        DO 101 J=2,5
101    W(J)=S(I,J)/S(I,1)
        AVG = W(2) + A(I,3)
        SD = SQRT(W(3)-W(2)**2)
        V1=(W(4)-3.*W(3)*W(2)+2.*W(2)**3)/SD**3
        V2=(W(5)-4.*W(4)*W(2)+6.*W(3)*W(2)**2-3.*W(2)**4)/SD**4
        V=100.*SD/AVG
        SEM = SD/SQRT(S(I,1))
        SESD=SEM*0.7071
        N=S(I,1)
C*** COMPUTE CUMULATIVE FREQUENCIES (CF(I)),PERCENT FREQUENCIES (PF(I))
C      & CUMULATIVE PERCENT FREQUENCIES (CPF(I))
        PCT= 100.0/S(I,1)
        CF(1)=F(I,1)
        PF(1)=F(I,1)*PCT
        CPF(1) = F(I,1)*PCT
        DO 102 J=2,50
        CF(J)=CF(J-1) + F(I,J)
        PF(J) = F(I,J)*PCT
102    CPF(J) = CPF(J-1) + PF(J)
C*** NEXT THE RAW PERCENTILES (PTL(J)) ARE COMPUTED
        K=1
        DO 103 J=1,25
104    IF (CPF(K).GE.P(J)) GO TO 103
        K=K+1
        GO TO 104
103    PTL(J)=A(I,1)+WID(I)*(FLOAT(K)-(CPF(K)-P(J))/PF(K))
C*** BEGIN THE SMOOTHING PROCESS BY COMPUTING THE ORTHOGONAL POLYNOMIALS
        DO 105 J=1,5
105    Q(J)=0.0
        DO 106 J=1,25
        Q(5)=Q(5)+PTL(J)
        DO 106 L=1,4
106    Q(L)=Q(L)+PTL(J)*PEG(J,L)
C*** COMPUTE THE SMOOTHED PERCENTILES SPTL(J)
        VG=Q(5)/25.
        DO 107 J=1,25
        SPTL(J)=VG
        DO 107 L=1,4
107    SPTL(J)=Q(L)*PEG(J,L)+SPTL(J)
C*** PASS ALL THE RESULTS ON TO AN OUTPUT SUBROUTINE FOR PRINTING OUT
        CALL OUTPUT (I)
100    CONTINUE
        WRITE (6,42)
42     FORMAT(1H1/////20(1H.),10H THAT'S ALL)
        STOP
9987   WRITE (6,9986) NSUB, I, X(I), J
9986   FORMAT (30H SOMETHING IS FOULED UP. NSUB=,I5,3H I=,I3,7H X(I) =,
+5.1,9H A(I,1) =,F5.1,9H A(I,2) =,F5.1,15H INTERVAL NO. ,I4)
        STOP
        END

```

As each data record was read into the computer:

- (a) each value was checked to guarantee it was in range. Had any non-zero value been out of range, all data for that subject would have been rejected. On the final run, no values—as should have been expected—were out of range.
- (b) each non-zero value, X_i , was converted to its difference value:

$$Y = X_i - A_{i, s}.$$

- (c) the first four powers of Y were accumulated:

$$\begin{aligned} S_{i, 1} &= S_{i, 1} + Y \\ S_{i, 2} &= S_{i, 2} + Y^2 \\ S_{i, 3} &= S_{i, 3} + Y^3 \\ S_{i, 4} &= S_{i, 4} + Y^4 \end{aligned}$$

- (d) the count of the number of non-zero values for the i -th variable was accumulated:

$$N_i = N_i + 1$$

- (e) the interval of the frequency table for the i -th variable to which X_i belongs was determined:

j = the largest integer equal to or less than $[(X_i - A_{i, 1})/WID_i + 1.0]$

and unity was then added to the previous count for this interval:

$$F_{i, j} = F_{i, j} + 1$$

When all the data had been processed, the summary statistics were computed using these formulas:

- (a) $W = S_{i, 1}/N_i$
 $Z = S_{i, 2}/N_i$
 $U = S_{i, 3}/N_i$
 $Q = S_{i, 4}/N_i$

followed by:

- (b) M = arithmetic mean = $W + A_{i, s}$

$$SD = \text{standard deviation} = \sqrt{Z - W^2}$$

$$\beta_1 = \text{symmetry} = (U - 3ZW + 2W^3)/(SD)^3$$

$$\beta_2 = \text{kurtosis} = (Q - 4UW + 6ZW^2 - 3W^4)/(SD)^4$$

$$V = \text{coefficient of variation} = 100 \cdot SD/M$$

$$SE(M) = \text{standard error of the mean} = SD/\sqrt{N}$$

$$SE(SD) = \text{standard error of the standard deviation} = 0.7071 SE(m)$$

The computation of the percentiles followed a procedure developed by the Anthropology Research Project and used with most military anthropometric surveys of the past decade. The present calculations were done on a more advanced computing device than that used in earlier studies and made no use of intermediate cards.

The first step in these computations consisted of calculating rough values for each percentile by direct interpolation in the frequency table. To compute the K-th percentile, the first interval for which the cumulative frequency exceeded K% was located. If L represents the lower limit of this interval; WID, the interval width; P(L), the cumulative percentage up to, but not including this interval; then the K-th rough percentile was computed as:

$$L + \text{WID} \left(\frac{K - P(L)}{P(U) - P(L)} \right)$$

To illustrate this formula, we may calculate the rough 1st percentile for weight, using the data shown on page 61. We observe that the fifth interval (94.5-97.5 pounds) is the first interval for which the cumulative frequency count exceeds 1%. Hence:

L = the lower limit of this interval = 94.5

WID = the width of the interval = 3.0

P(L) = the cumulative percentage for the first 4 intervals = 0.31

P(U) = the cumulative percentage for the first 5 intervals = 1.42, and

$$\begin{aligned} \text{the K-th percentile} &= 94.50 + 3 \left(\frac{1.00 - 0.31}{1.42 - 0.31} \right) \\ &= 94.50 + 3 \cdot 0.621 = 94.50 + 1.86 = 96.36 \text{ pounds} \end{aligned}$$

This computation was done for each of the 25 percentiles listed for each measured variable.

The second step was to consider the resulting twenty-five values as ordinates of points, the abscissas of which were the corresponding normal distribution values. Thus Y_1 was the 1st percentile and X_1 was -2.327 , Y_2 was the 2nd percentile and X_2 was -1.645 , . . . , Y_{13} was the 50th percentile and X_{13} was 0.0 , and so forth. A least-squares fourth degree polynomial was then fitted to these points, and the smoothed percentiles were computed by substitution back into the polynomial. The actual computation of the polynomial was carried out using orthogonal polynomials; this use presumably had no effect on the results but did make possible simpler and more rapid computations.

The statistics (except for β_1 , β_2 , and V which are dimensionless) were, in most instances, then multiplied by 0.1 to change from millimeters to centimeters.

Centimeter values were then multiplied by 0.3937 to provide inch values. Pounds were converted to kilograms using 0.453592 as the multiplier, and kilograms to pounds by multiplying by 2.20462.

To provide a maximum of flexibility in listing the statistics and frequency tables for photographic reproduction for this report, the means, standard deviations, β_1 , β_2 , V, the percentiles, and the frequencies were written on punched cards. The punched cards were subsequently read into the computer which computed the standard errors, the cumulative frequencies, the two sets of frequency percentages, and prepared the listings as they appear in this report. The cards which contained the means, standard deviations, and the frequencies were also used to prepare the frequency graphs which were drawn on a Cal-Comp plotter.

SECTION VI

THE VISUAL INDEX

To make this report as easy to use as possible, a Visual Index (figure 3) of the measured dimensions appears on the following pages. This index consists of a series of line drawings illustrating the measured dimensions. A reader need not know the exact name used here for any dimension but has only to look through this index and locate those dimensions in which he is interested. Each dimension is numbered in the drawing; this number accompanies all statistical results for that dimension throughout this report. The variable name for each variable appears below the drawing in which it is illustrated.

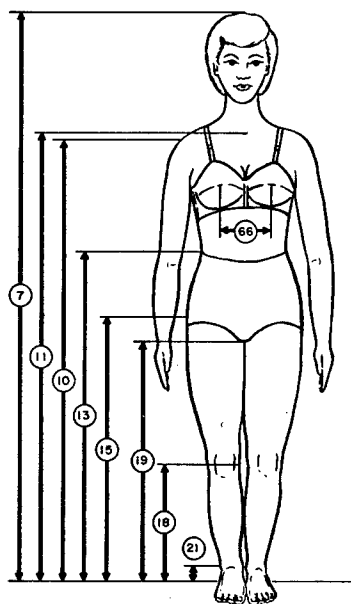
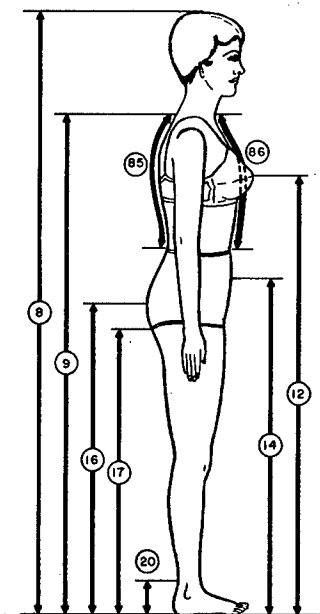
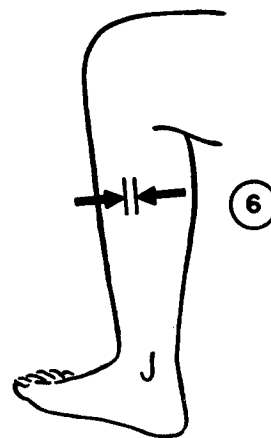
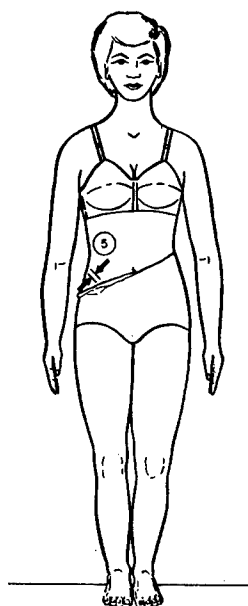
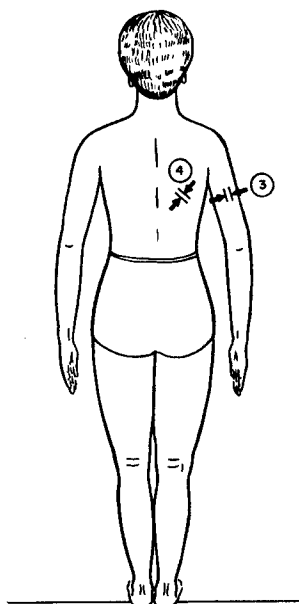
The data summaries in section VII follow the sequence of these index numbers as do a variety of statistical listings in later sections of this report.

As far as was practical, related dimensions are illustrated on the same line drawing. It was necessary in several instances, however, to sketch related dimensions on different drawings, and the reader concerned with determining all dimensions of a particular category should check more than a single drawing.

The Measurement Index at the end of this report also facilitates the location of particular dimensions by cross-indexing the dimensions by alternate names (lower arm as well as forearm, for example) and by body segment. The numbers of the Visual Index are also included in the Measurement Index.

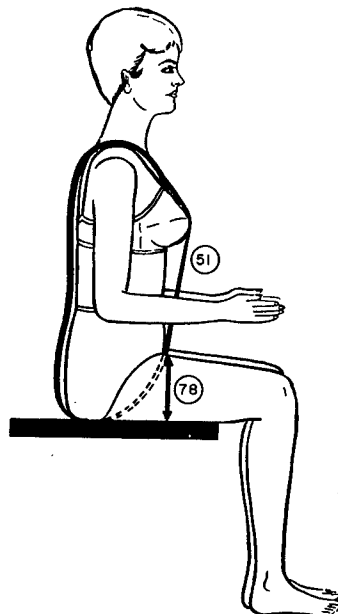
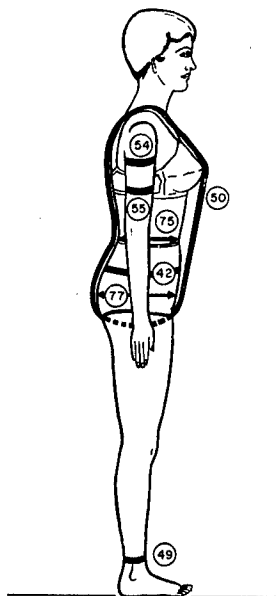
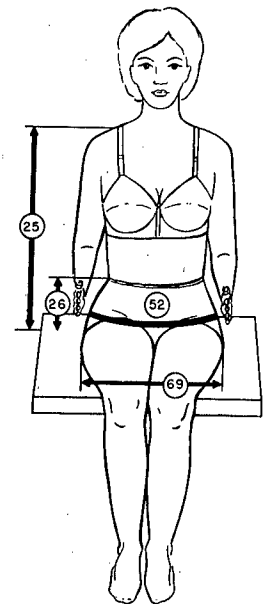
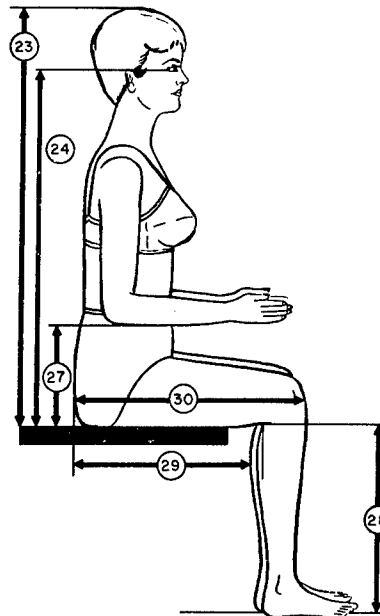
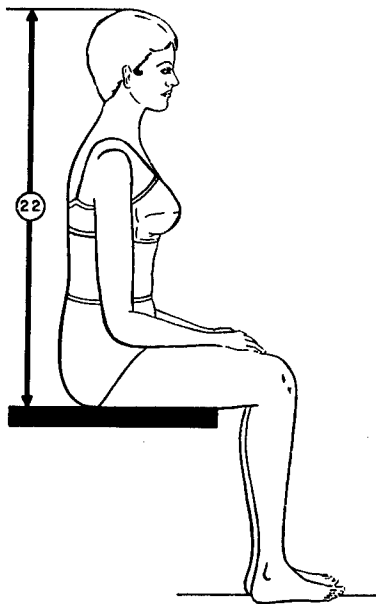
Figure 3

VISUAL INDEX



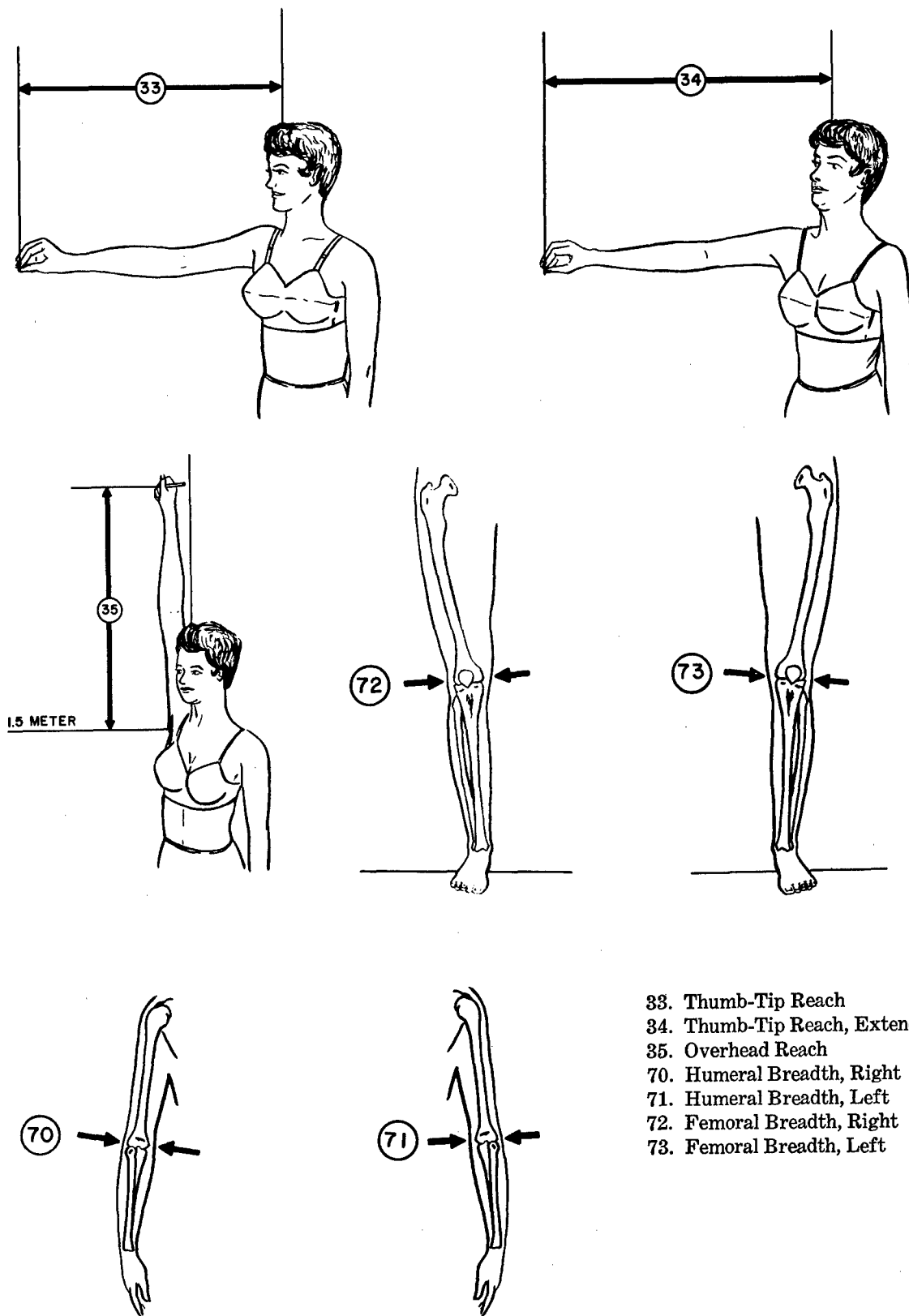
1. Age
2. Weight
3. Triceps Skinfold
4. Subscapular Skinfold
5. Suprailiac Skinfold
6. Medial Calf Skinfold
7. Stature
8. Stature, Maximum
9. Cervicale Height
10. Acromial Height
11. Suprasternale Height
12. Bustpoint Height
13. Waist Height
14. Abdominal Extension Height
15. Trochanteric Height
16. Buttock Height
17. Gluteal Furrow Height
18. Tibiale Height
19. Crotch Height
20. Ankle Height
21. Lateral Malleolus Height
66. Bustpoint-To-Bustpoint Breadth
85. Waist Back
86. Anterior Waist Length

Figure 3 (Continued)



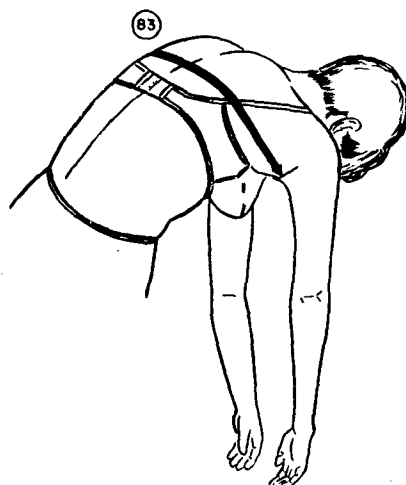
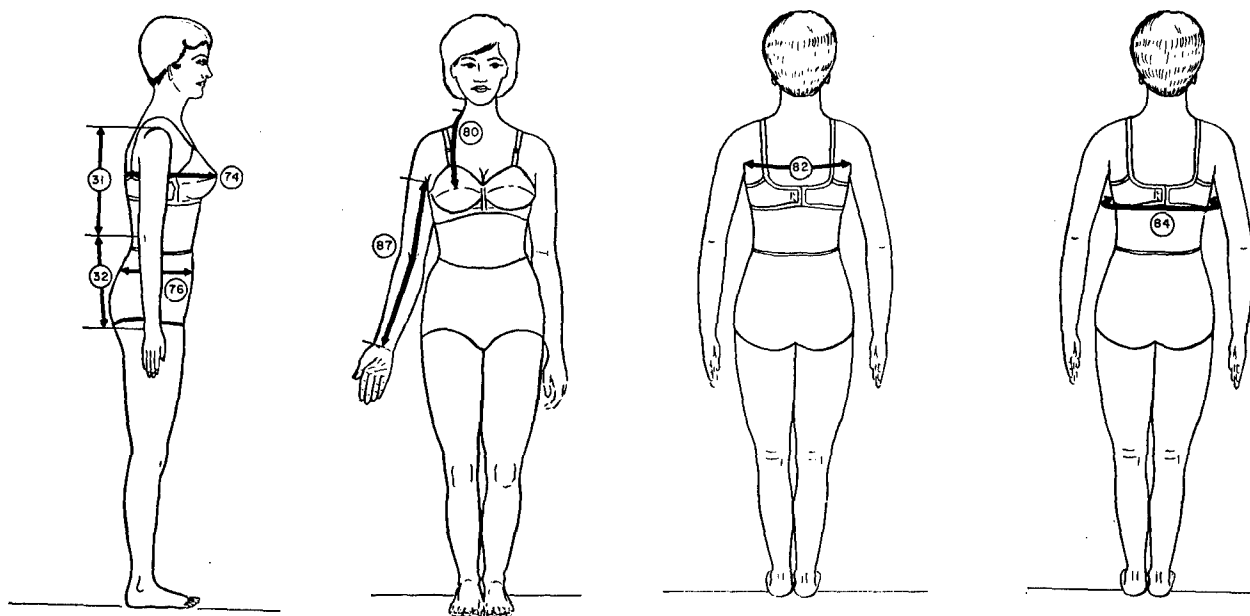
- 22. Sitting Height, Relaxed
- 23. Sitting Height
- 24. Eye Height, Sitting
- 25. Midshoulder Height, Sitting
- 26. Waist Height, Sitting
- 27. Elbow Rest Height
- 28. Popliteal Height
- 29. Buttock-Popliteal Length
- 30. Buttock-Knee Length
- 42. Abdominal Extension Circumference
- 49. Ankle Circumference
- 50. Vertical Trunk Circumference
- 51. Vertical Trunk Circumference, Sitting
- 52. Buttock Circumference, Sitting
- 54. Axillary Arm Circumference
- 55. Biceps Circumference, Relaxed, Right
- 69. Thigh-To-Thigh Breadth, Sitting
- 75. Waist Depth
- 77. Buttock Depth
- 78. Thigh Clearance

Figure 3 (Continued)



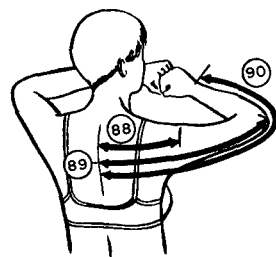
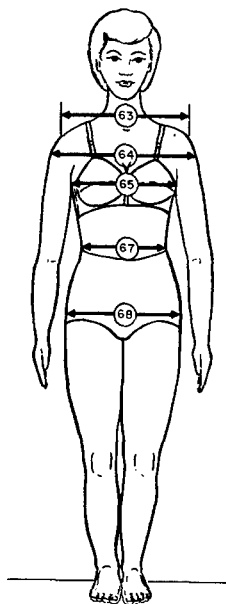
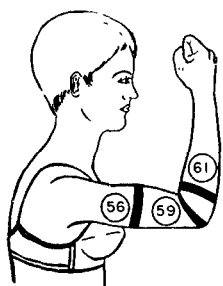
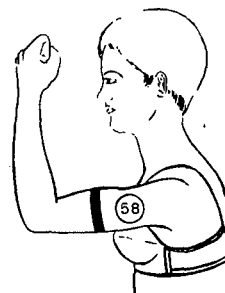
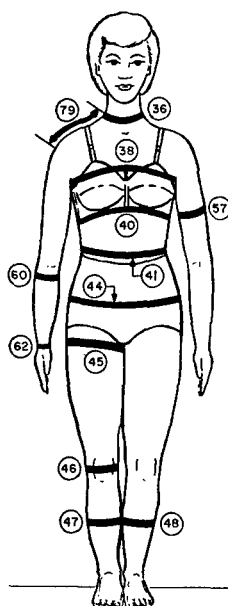
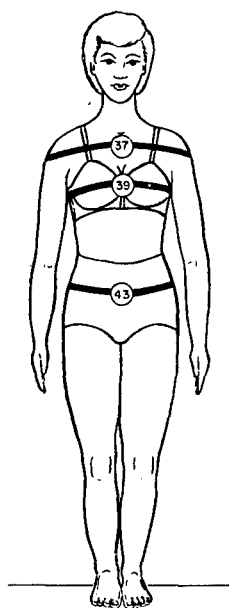
- 33. Thumb-Tip Reach
- 34. Thumb-Tip Reach, Extended
- 35. Overhead Reach
- 70. Humeral Breadth, Right
- 71. Humeral Breadth, Left
- 72. Femoral Breadth, Right
- 73. Femoral Breadth, Left

Figure 3 (Continued)



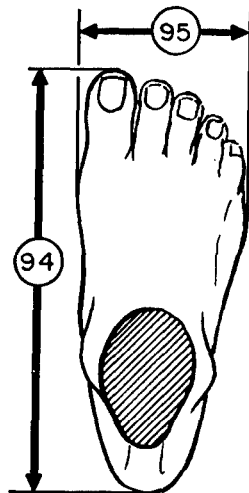
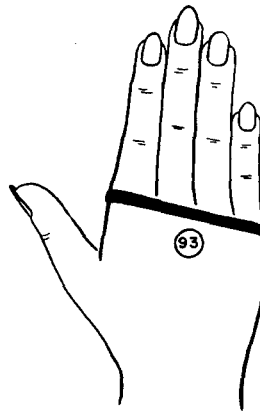
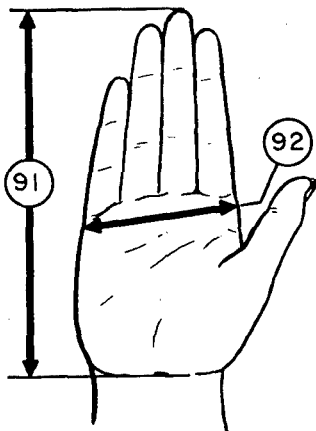
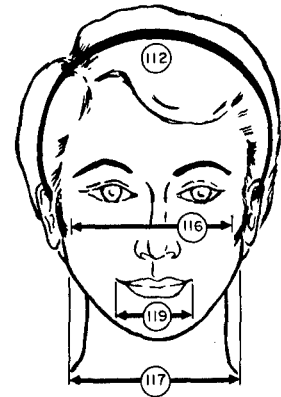
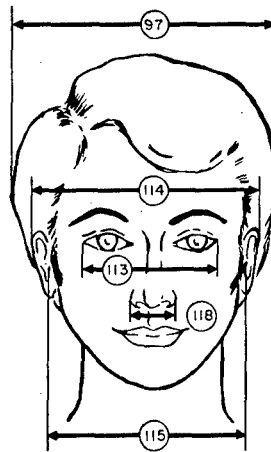
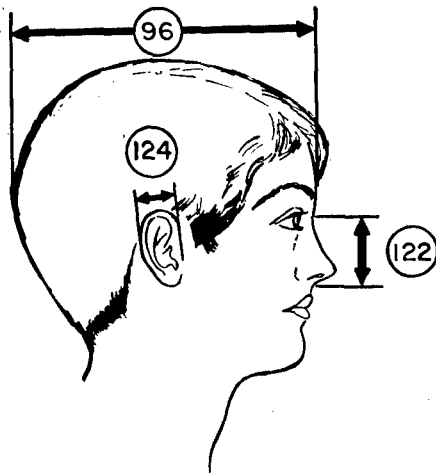
- 31. Acromion-Radiale Length
- 32. Radiale-Stylian Length
- 74. Chest Depth
- 76. Abdominal Extension Depth
- 80. Neck-To-Bustpoint Length
- 82. Interscye Curvature
- 83. Interscye Curvature, Maximum
- 84. Back Curvature
- 87. Sleeve Inseam

Figure 3 (Continued)



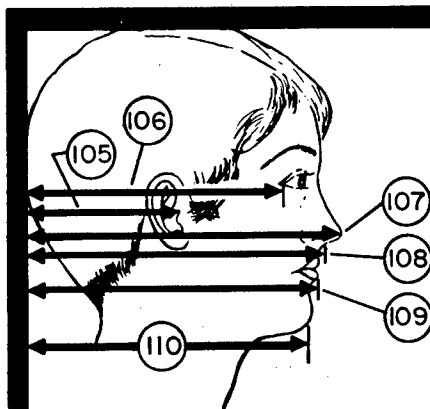
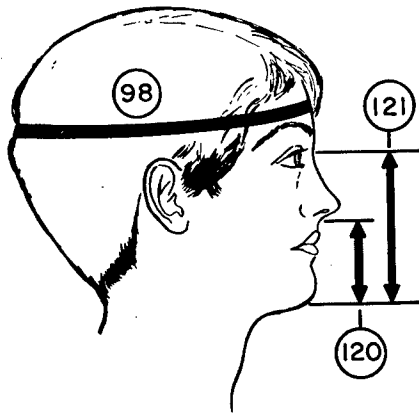
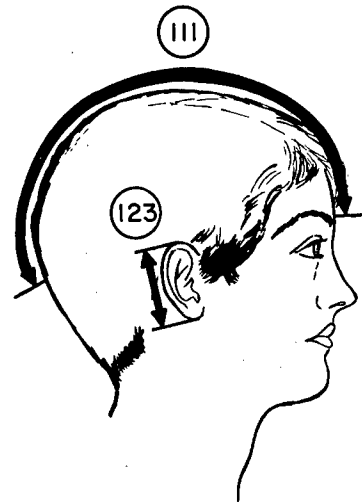
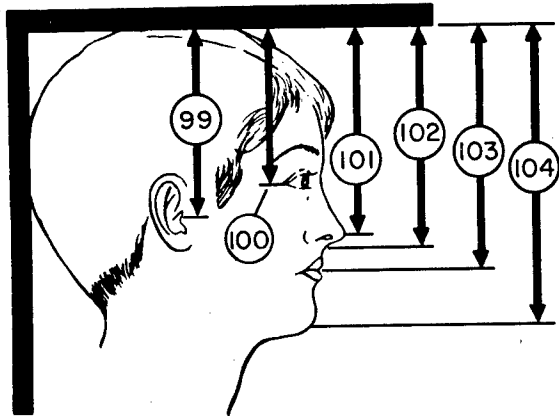
36. Neck Circumference
37. Shoulder Circumference
38. Chest Circumference at Scye
39. Bust Circumference
40. Chest Circumference Below Bust
41. Waist Circumference
43. Hip Circumference—Seven Inches Below Waist Level
44. Hip Circumference—Nine Inches Below Waist Level
45. Upper Thigh Circumference
46. Knee Circumference
47. Calf Circumference, Right
48. Calf Circumference, Left
56. Biceps Circumference, Flexed, Right
57. Biceps Circumference, Relaxed, Left
58. Biceps Circumference, Flexed, Left
59. Elbow Circumference, Flexed
60. Forearm Circumference, Relaxed
61. Forearm Circumference, Flexed
62. Wrist Circumference
63. Biacromial Breadth
64. Bideloid Breadth
65. Chest Breadth
67. Waist Breadth
68. Hip Breadth
79. Shoulder Length
88. Spine-To-Scye Length (Sleeve Length Segment)
89. Spine-To-Elbow Length (Sleeve Length Segment)
90. Spine-To-Wrist Length (Sleeve Length)

Figure 3 (Continued)



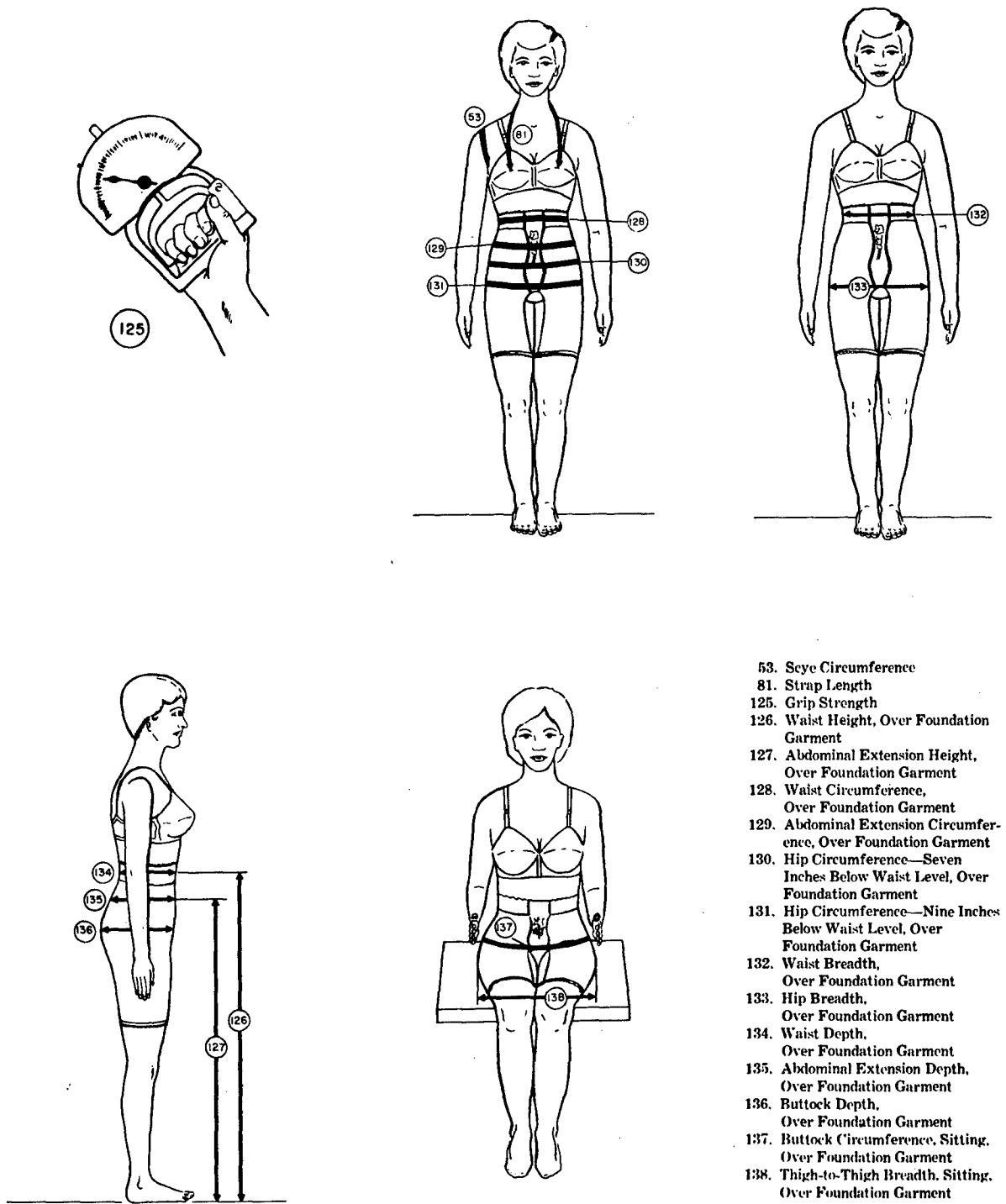
- 91. Hand Length
- 92. Hand Breadth
- 93. Hand Circumference
- 94. Foot Length
- 95. Foot Breadth
- 96. Head Length
- 97. Head Breadth
- 112. Bitrignon-Coronal Curvature
- 113. Biocular Breadth
- 114. Biauricular Breadth
- 115. Bitrignon Breadth
- 116. Bizygomatic Breadth
- 117. Bigonial Breadth
- 118. Nasal Breadth
- 119. Lip Length
- 122. Subnasale-Sellion Length
- 124. Ear Breadth

Figure 3 (Continued)



- 98. Head Circumference
- 99. Trignon To Top of Head
- 100. Ectocanthus To Top of Head
- 101. Pronasale To Top of Head
- 102. Subnasale To Top of Head
- 103. Stomion To Top of Head
- 104. Menton To Top of Head
- 105. Trignon To Wall
- 106. Ectocanthus To Wall
- 107. Pronasale To Wall
- 108. Subnasale To Wall
- 109. Lip Protrusion To Wall
- 110. Menton To Wall
- 111. Sagittal Curvature
- 120. Menton-Subnasale Length
- 121. Menton-Sellion Length
- 123. Ear Length

Figure 3 (Concluded)



SECTION VII

MEASURING TECHNIQUES AND DATA SUMMARIES

Summary statistics and frequency distributions along with descriptions and illustrations of the measuring techniques are presented in the following pages for age, grip strength, and all the anthropometric measures except those made over the foundation garments. Data for these omitted variables appear in section VIII.

For the first two variables, age and weight, only single page listing of the summary statistics and frequency tables are given. Age values are based on the ages as reported by the subjects to which one-half year was added. Weights were measured on a medical type scale to the nearest pound with the subject wearing panties and bra.

All other variables are reported on two-page layouts. The right side (odd-numbered) page has the same format as that used for age. The right half of the page contains the summary statistics; all of these statistics have been defined in section IV. The left half of the page contains the frequency table. The basis for our choice of the frequency intervals is discussed on page 45; the tables presented are exactly those used in the computation of the percentiles. The headings across the top of the frequency table: F, CUMF, FPCT, and CUMPCT, stand for frequency, cumulative frequency, frequency as a percent of the total frequency, and cumulative frequency as a percent of the total frequency. The ranges of the frequency table and the left-most set of summary statistics are in the units or decimal multiples of the units in which the measurements were made.

The left side page contains the dimension description and a photograph and line drawing illustrating the measurement technique. The verbal descriptions of the dimensions state the actual measuring techniques used. The occasional variations from these reflected in the photographs or drawings were made to illustrate better the measuring technique or to reduce the number of unique drawings needed. For example, back curvature, variable 84, was measured, as verbally described, with the subject's hands on her hips, but is illustrated with the arms held differently.

The frequency graph at the bottom of the page is based on the same values as the frequency table on the opposite page. The values at the bottom of the graphs are midpoints of the intervals. A small triangle just above the base line locates the mean value for the variable. The hatched section to the left corresponds to values from two standard deviations below the mean to one standard deviation below; the hatched section to the right corresponds to values from one to two standard deviations above the mean. For an ideal distribution, about $2\frac{1}{2}\%$ of the data will lie to the left of the first hatched area, $13\frac{1}{2}\%$ of the data in the hatched area, 68% between the two hatched areas (half of this to the left of the triangle, half to the right), $13\frac{1}{2}\%$ in the second hatched area, and $2\frac{1}{2}\%$ beyond it. The hatching at the left has been omitted from the graphs for two of the skinfold measurements because the value two standard deviations below the mean is below zero.

AGE DISTRIBUTIONS

RANGES	F	CUMF	FPCT	CUMPCT
56.00- 57.00	1	1905	0.05	100.00
55.00- 56.00	0	1904	0.00	99.95
54.00- 55.00	1	1904	0.05	99.95
53.00- 54.00	2	1903	0.10	99.90
52.00- 53.00	0	1901	0.00	99.79
51.00- 52.00	3	1901	0.16	99.79
50.00- 51.00	2	1898	0.10	99.63
49.00- 50.00	2	1896	0.10	99.53
48.00- 49.00	1	1894	0.05	99.42
47.00- 48.00	5	1893	0.26	99.37
46.00- 47.00	4	1888	0.21	99.11
45.00- 46.00	6	1884	0.31	98.90
44.00- 45.00	7	1878	0.37	98.58
43.00- 44.00	17	1871	0.89	98.22
42.00- 43.00	11	1854	0.58	97.32
41.00- 42.00	6	1843	0.31	96.75
40.00- 41.00	15	1837	0.79	96.43
39.00- 40.00	10	1822	0.52	95.64
38.00- 39.00	19	1812	1.00	95.12
37.00- 38.00	12	1793	0.63	94.12
36.00- 37.00	16	1781	0.84	93.49
35.00- 36.00	15	1765	0.79	92.65
34.00- 35.00	20	1750	1.05	91.86
33.00- 34.00	16	1730	0.84	90.81
32.00- 33.00	28	1714	1.47	89.97
31.00- 32.00	11	1686	0.58	88.50
30.00- 31.00	12	1675	0.63	87.93
29.00- 30.00	20	1663	1.05	87.30
28.00- 29.00	24	1643	1.26	86.25
27.00- 28.00	36	1619	1.89	84.99
26.00- 27.00	46	1583	2.41	83.10
25.00- 26.00	69	1537	3.62	80.68
24.00- 25.00	75	1468	3.94	77.06
23.00- 24.00	108	1393	5.67	73.12
22.00- 23.00	133	1285	6.98	67.45
21.00- 22.00	191	1152	10.03	60.47
20.00- 21.00	260	961	13.65	50.45
19.00- 20.00	380	701	19.95	36.80
18.00- 19.00	321	321	16.85	16.85

THE ARITHMETIC MEAN 23.43
 STD ERROR (MEAN) 0.15
 THE STANDARD DEVIATION 6.45
 STD ERROR (STD DEV) 0.10

SYMMETRY---VETA I = 2.09
 KURTOSIS---VETA II = 7.22
 COEF. OF VARIATION = 27.5%

NUMBER OF SUBJECTS = 1905

THE PERCENTILES

99TH	46.49
98TH	43.76
97TH	42.44
95TH	38.88
90TH	33.03
85TH	28.01
80TH	25.81
75TH	24.48
70TH	23.45
65TH	22.65
60TH	21.95
55TH	21.45
50TH	20.97
45TH	20.60
40TH	20.23
35TH	19.91
30TH	19.66
25TH	19.41
20TH	19.16
15TH	18.89
10TH	18.59
5TH	18.30
3RD	18.18
2ND	18.12
1ST	18.06

ALL VALUES ARE IN YEARS

WEIGHT DISTRIBUTIONS

RANGES*	F	CUMF	FPCT	CUMPCT
199.50-202.50	1	1905	0.05	100.00
196.50-199.50	1	1904	0.05	99.95
193.50-196.50	2	1903	0.10	99.90
190.50-193.50	0	1901	0.00	99.79
187.50-190.50	2	1901	0.10	99.79
184.50-187.50	3	1899	0.16	99.69
181.50-184.50	5	1896	0.26	99.53
178.50-181.50	1	1891	0.05	99.27
175.50-178.50	4	1890	0.21	99.21
172.50-175.50	4	1886	0.21	99.00
169.50-172.50	8	1882	0.42	98.79
166.50-169.50	8	1874	0.42	98.37
163.50-166.50	13	1866	0.68	97.95
160.50-163.50	9	1853	0.47	97.27
157.50-160.50	23	1844	1.21	96.80
154.50-157.50	24	1821	1.26	95.59
151.50-154.50	36	1797	1.89	94.33
148.50-151.50	50	1761	2.62	92.44
145.50-148.50	56	1711	2.94	89.82
142.50-145.50	77	1655	4.04	86.88
139.50-142.50	77	1578	4.04	82.83
136.50-139.50	99	1501	5.20	78.79
133.50-136.50	118	1402	6.19	73.60
130.50-133.50	102	1284	5.35	67.40
127.50-130.50	158	1182	8.29	62.05
124.50-127.50	147	1024	7.72	53.75
121.50-124.50	145	877	7.61	46.04
118.50-121.50	129	732	6.77	38.43
115.50-118.50	128	603	6.72	31.65
112.50-115.50	122	475	6.40	24.93
109.50-112.50	102	353	5.35	18.53
106.50-109.50	70	251	3.67	13.18
103.50-106.50	71	181	3.73	9.50
100.50-103.50	39	110	2.05	5.77
97.50-100.50	44	71	2.31	3.73
94.50- 97.50	21	27	1.10	1.42
91.50- 94.50	3	6	0.16	0.31
88.50- 91.50	2	3	0.10	0.16
85.50- 88.50	0	1	0.00	0.05
82.50- 85.50	1	1	0.05	0.05

*IN POUNDS

POUNDS KILOGRAMS

127.28 MEAN VALUE 57.73
0.38 SE(MEAN) 0.17
16.59 SD DEVIATION 7.52
0.27 SE(SD DEV) 0.12

SYMMETRY---VETA I = 0.64
KURTOSIS---VETA II = 3.86
COEF. OF VARIATION = 13.0%

NUMBER OF SUBJECTS = 1905

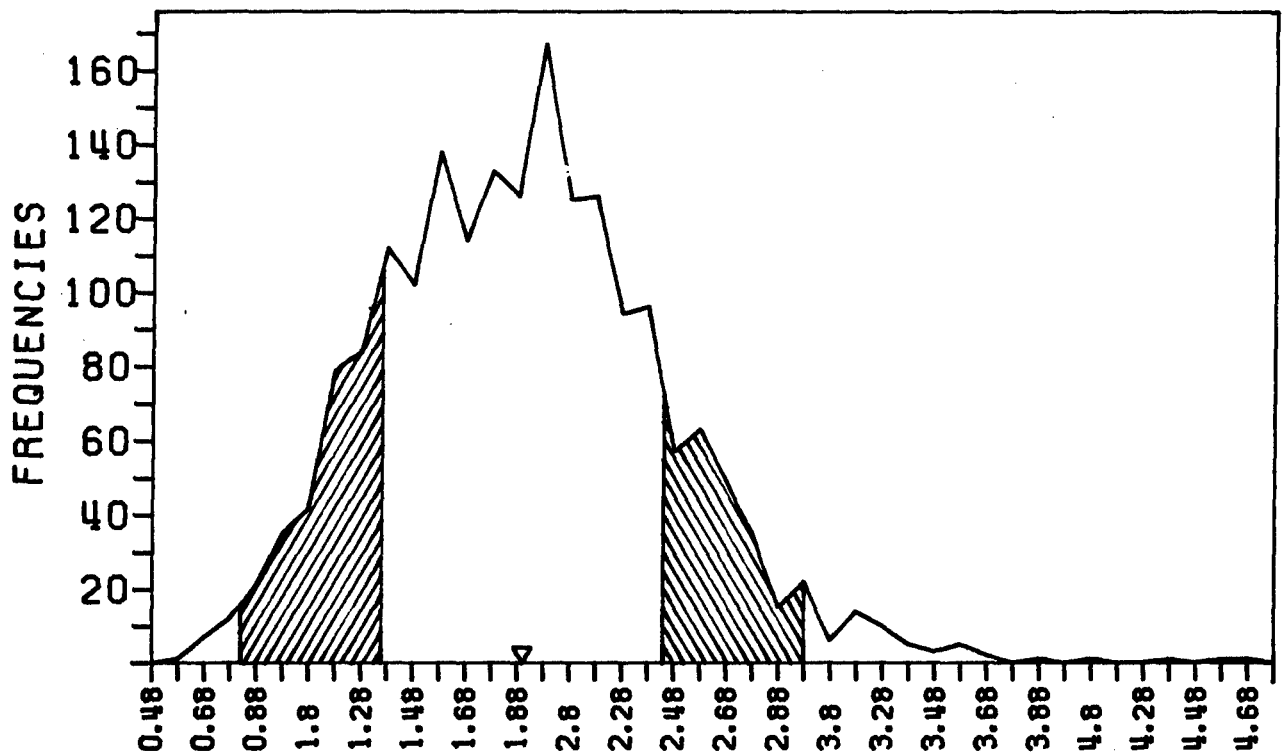
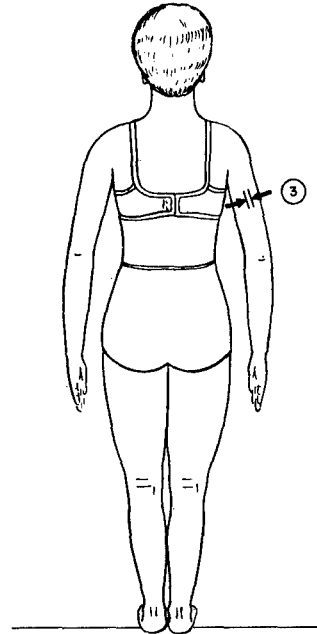
THE PERCENTILES

POUNDS KILOGRAMS

175.20	99TH	79.47
166.90	98TH	75.70
162.19	97TH	73.57
156.38	95TH	70.93
148.49	90TH	67.35
143.70	85TH	65.18
140.15	80TH	63.57
137.19	75TH	62.23
134.63	70TH	61.07
132.32	65TH	60.02
130.15	60TH	59.04
128.09	55TH	58.10
126.08	50TH	57.19
124.08	45TH	56.28
122.08	40TH	55.37
120.03	35TH	54.44
117.89	30TH	53.48
115.61	25TH	52.44
113.10	20TH	51.30
110.27	15TH	50.02
106.86	10TH	48.47
102.29	5TH	46.40
99.77	3RD	45.25
98.20	2ND	44.54
96.36	1ST	43.71

(3) TRICEPS SKINFOLD

Subject stands with right elbow flexed 90 degrees. Locate the level on the back of the upper arm halfway between acromion and the tip of the elbow and then have the subject relax her arm at her side. At the level previously located, pick up a skinfold parallel to the long axis of the upper arm. Using a Harpenden skinfold caliper, measure the thickness of the fold.



RANGES*	F	CUMF	FPCT	CUMPT
4.63- 4.73	1	1905	0.05	100.00
4.53- 4.63	1	1904	0.05	99.95
4.43- 4.53	0	1903	0.00	99.90
4.33- 4.43	1	1903	0.05	99.90
4.23- 4.33	0	1902	0.00	99.84
4.13- 4.23	0	1902	0.00	99.84
4.03- 4.13	1	1902	0.05	99.84
3.93- 4.03	0	1901	0.00	99.79
3.83- 3.93	1	1901	0.05	99.79
3.73- 3.83	0	1900	0.00	99.74
3.63- 3.73	2	1900	0.10	99.74
3.53- 3.63	5	1898	0.26	99.63
3.43- 3.53	3	1893	0.16	99.37
3.33- 3.43	5	1890	0.26	99.21
3.23- 3.33	10	1885	0.52	98.95
3.13- 3.23	14	1875	0.73	98.43
3.03- 3.13	6	1861	0.31	97.69
2.93- 3.03	22	1855	1.15	97.38
2.83- 2.93	15	1833	0.79	96.22
2.73- 2.83	35	1818	1.84	95.43
2.63- 2.73	49	1783	2.57	93.60
2.53- 2.63	63	1734	3.31	91.02
2.43- 2.53	57	1671	2.99	87.72
2.33- 2.43	96	1614	5.04	84.72
2.23- 2.33	94	1518	4.93	79.69
2.13- 2.23	126	1424	6.61	74.75
2.03- 2.13	125	1298	6.56	68.14
1.93- 2.03	167	1173	8.77	61.57
1.83- 1.93	126	1006	6.61	52.81
1.73- 1.83	133	880	6.98	46.19
1.63- 1.73	114	747	5.98	39.21
1.53- 1.63	138	633	7.24	33.23
1.43- 1.53	102	495	5.35	25.98
1.33- 1.43	112	393	5.88	20.63
1.23- 1.33	84	281	4.41	14.75
1.13- 1.23	79	197	4.15	10.34
1.03- 1.13	42	118	2.20	6.19
0.93- 1.03	35	76	1.84	3.99
0.83- 0.93	21	41	1.10	2.15
0.73- 0.83	12	20	0.63	1.05
0.63- 0.73	7	8	0.37	0.42
0.53- 0.63	1	1	0.05	0.05

CENTIMETERS

INCHES

1.90 MEAN VALUE 0.75
0.01 SE(MEAN) 0.00
0.54 SD DEVIATION 0.21
0.01 SE(SD DEV) 0.00

SYMMETRY---VETA I = 0.51
KURTOSIS---VETA II = 3.82
COEF. OF VARIATION = 28.6%

NUMBER OF SUBJECTS = 1905

THE PERCENTILES

CENTIMETERS

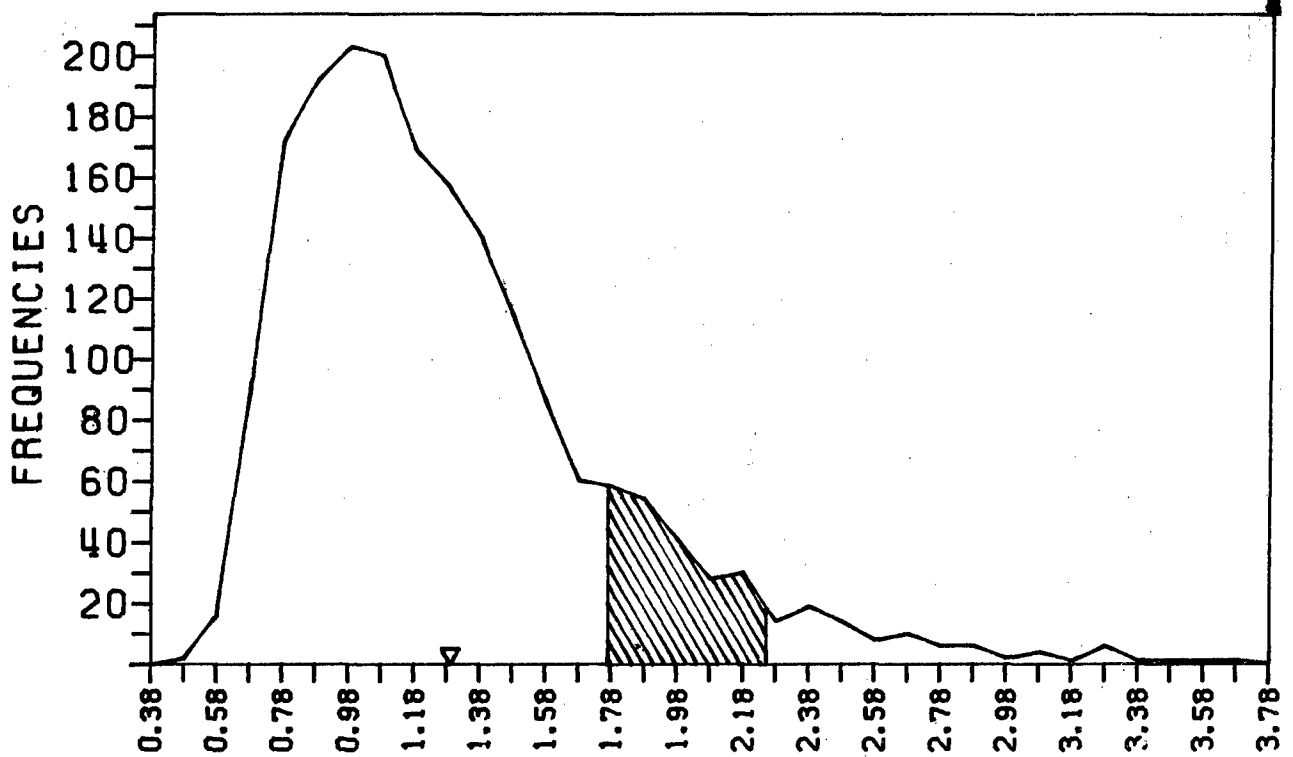
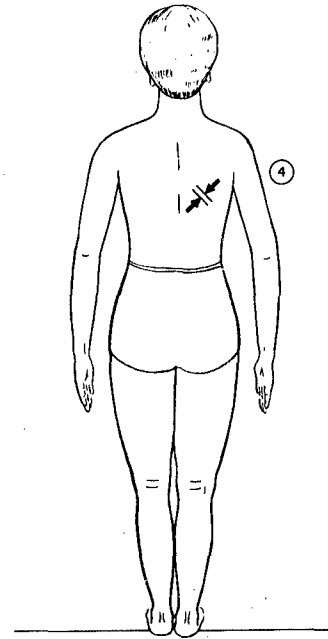
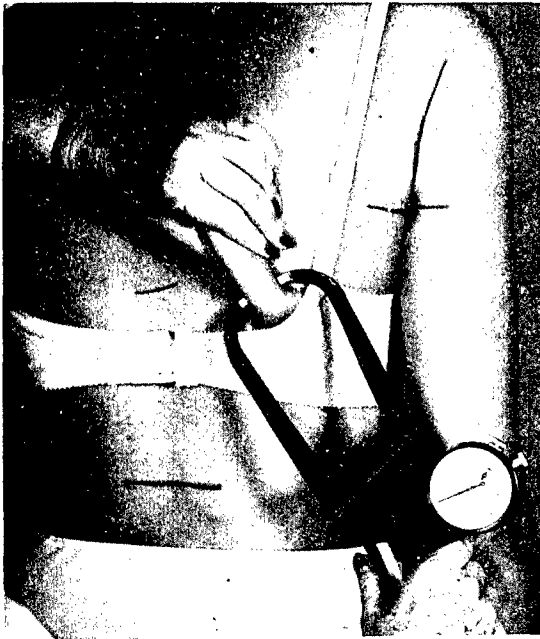
INCHES

3.36 99TH 1.32
3.13 98TH 1.23
3.00 97TH 1.18
2.83 95TH 1.11
2.59 90TH 1.02
2.44 85TH 0.96
2.33 80TH 0.92
2.23 75TH 0.88
2.15 70TH 0.85
2.07 65TH 0.82
2.00 60TH 0.79
1.93 55TH 0.76
1.87 50TH 0.74
1.80 45TH 0.71
1.73 40TH 0.68
1.66 35TH 0.66
1.59 30TH 0.63
1.51 25TH 0.60
1.43 20TH 0.56
1.33 15TH 0.53
1.22 10TH 0.48
1.06 5TH 0.42
0.97 3RD 0.38
0.91 2ND 0.36
0.83 1ST 0.33

*IN CENTIMETERS

(4) SUBSCAPULAR SKINFOLD

Subject stands relaxed. Pick up a skinfold just below the inferior angle of the right scapula and parallel to the tension lines of the skin. Using a Harpenden skinfold caliper, measure the thickness of the fold.



CENTIMETERS

INCHES

1.29 MEAN VALUE 0.51
 0.01 SE(MEAN) 0.00
 0.48 SD DEVIATION 0.19
 0.01 SE(SD DEV) 0.00

SYMMETRY---VETA I = 1.35
 KURTOSIS---VETA II = 5.30
 COEF. OF VARIATION = 37.7%

NUMBER OF SUBJECTS = 1905

THE PERCENTILES

CENTIMETERS

INCHES

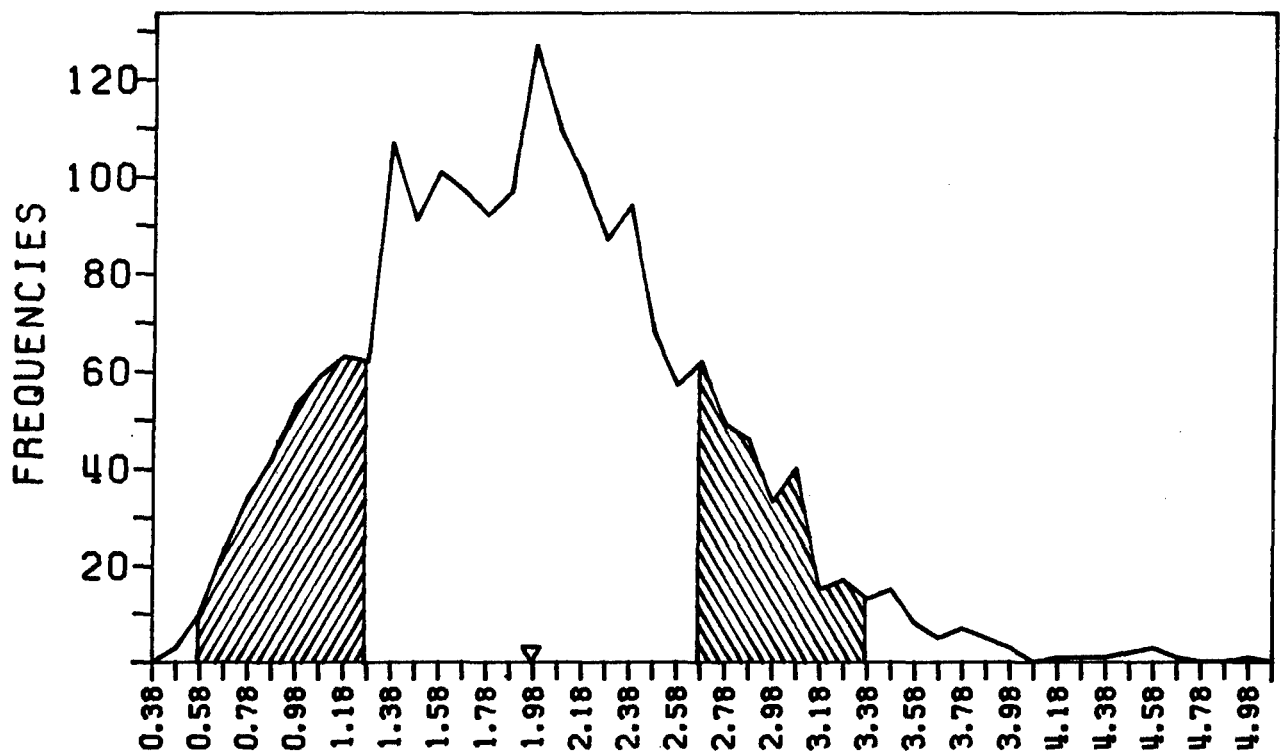
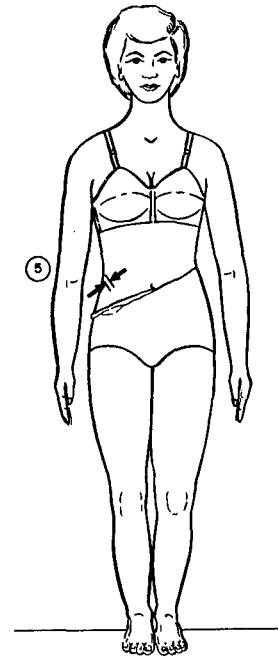
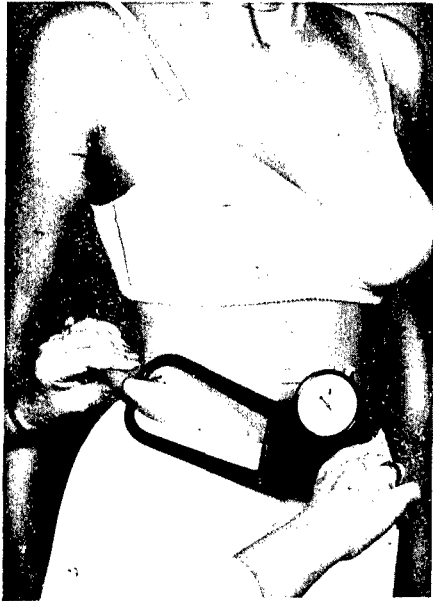
2.90	99TH	1.14
2.62	98TH	1.03
2.45	97TH	0.96
2.23	95TH	0.88
1.93	90TH	0.76
1.75	85TH	0.69
1.62	80TH	0.64
1.51	75TH	0.60
1.43	70TH	0.56
1.35	65TH	0.53
1.29	60TH	0.51
1.22	55TH	0.48
1.17	50TH	0.46
1.12	45TH	0.44
1.07	40TH	0.42
1.02	35TH	0.40
0.97	30TH	0.38
0.93	25TH	0.36
0.88	20TH	0.35
0.83	15TH	0.33
0.78	10TH	0.31
0.71	5TH	0.28
0.68	3RD	0.27
0.65	2ND	0.26
0.62	1ST	0.24

RANGES*	F	CUMF	FPCT	CUMPCT
3.63- 3.73	1	1905	0.05	100.00
3.53- 3.63	1	1904	0.05	99.95
3.43- 3.53	1	1903	0.05	99.90
3.33- 3.43	1	1902	0.05	99.84
3.23- 3.33	6	1901	0.31	99.79
3.13- 3.23	1	1895	0.05	99.48
3.03- 3.13	4	1894	0.21	99.42
2.93- 3.03	2	1890	0.10	99.21
2.83- 2.93	6	1888	0.31	99.11
2.73- 2.83	6	1882	0.31	98.79
2.63- 2.73	10	1876	0.52	98.48
2.53- 2.63	8	1866	0.42	97.95
2.43- 2.53	14	1858	0.73	97.53
2.33- 2.43	19	1844	1.00	96.80
2.23- 2.33	14	1825	0.73	95.80
2.13- 2.23	30	1811	1.57	95.07
2.03- 2.13	28	1781	1.47	93.49
1.93- 2.03	41	1753	2.15	92.02
1.83- 1.93	54	1712	2.83	89.87
1.73- 1.83	58	1658	3.04	87.03
1.63- 1.73	60	1600	3.15	83.99
1.53- 1.63	86	1540	4.51	80.84
1.43- 1.53	114	1454	5.98	76.33
1.33- 1.43	140	1340	7.35	70.34
1.23- 1.33	157	1200	8.24	62.99
1.13- 1.23	169	1043	8.87	54.75
1.03- 1.13	200	874	10.50	45.88
0.93- 1.03	203	674	10.66	35.38
0.83- 0.93	192	471	10.08	24.72
0.73- 0.83	172	279	9.03	14.65
0.63- 0.73	89	107	4.67	5.62
0.53- 0.63	16	18	0.84	0.94
0.43- 0.53	2	2	0.10	0.10

*IN CENTIMETERS

(5) SUPRAILIAC SKINFOLD

Subject stands relaxed. Pick up a skinfold in the right mid-axillary line at the level of the crest of the ilium and following the border of the crest. Using a Harpenden skinfold caliper, measure the thickness of the fold.



RANGES*		F	CUMF	FPCT	CUMPCT
4.93-	5.03	1	1905	0.05	100.00
4.83-	4.93	0	1904	0.00	99.95
4.73-	4.83	0	1904	0.00	99.95
4.63-	4.73	1	1904	0.05	99.95
4.53-	4.63	3	1903	0.16	99.90
4.43-	4.53	2	1900	0.10	99.74
4.33-	4.43	1	1898	0.05	99.63
4.23-	4.33	1	1897	0.05	99.58
4.13-	4.23	1	1896	0.05	99.53
4.03-	4.13	0	1895	0.00	99.48
3.93-	4.03	3	1895	0.16	99.48
3.83-	3.93	5	1892	0.26	99.32
3.73-	3.83	7	1887	0.37	99.06
3.63-	3.73	5	1880	0.26	98.69
3.53-	3.63	8	1875	0.42	98.43
3.43-	3.53	15	1867	0.79	98.01
3.33-	3.43	13	1852	0.68	97.22
3.23-	3.33	17	1839	0.89	96.54
3.13-	3.23	15	1822	0.79	95.64
3.03-	3.13	40	1807	2.10	94.86
2.93-	3.03	33	1767	1.73	92.76
2.83-	2.93	46	1734	2.41	91.02
2.73-	2.83	49	1688	2.57	88.61
2.63-	2.73	62	1639	3.25	86.04
2.53-	2.63	57	1577	2.99	82.78
2.43-	2.53	68	1520	3.57	79.79
2.33-	2.43	94	1452	4.93	76.22
2.23-	2.33	87	1358	4.57	71.29
2.13-	2.23	100	1271	5.25	66.72
2.03-	2.13	110	1171	5.77	61.47
1.93-	2.03	127	1061	6.67	55.70
1.83-	1.93	97	934	5.09	49.03
1.73-	1.83	92	837	4.83	43.94
1.63-	1.73	97	745	5.09	39.11
1.53-	1.63	101	648	5.30	34.02
1.43-	1.53	91	547	4.78	28.71
1.33-	1.43	107	456	5.62	23.94
1.23-	1.33	62	349	3.25	18.32
1.13-	1.23	63	287	3.31	15.07
1.03-	1.13	59	224	3.10	11.76
0.93-	1.03	53	165	2.78	8.66
0.83-	0.93	42	112	2.20	5.88
0.73-	0.83	34	70	1.78	3.67
0.63-	0.73	23	36	1.21	1.89
0.53-	0.63	10	13	0.52	0.68
0.43-	0.53	3	3	0.16	0.16

*IN CENTIMETERS

CENTIMETERS INCHES

1.97 MEAN VALUE 0.78
0.02 SE(MEAN) 0.01
0.70 SD DEVIATION 0.28
0.01 SE(SD DEV) 0.00

SYMMETRY---VETA I = 0.47
KURTOSIS---VETA II = 3.30
COEF. OF VARIATION = 35.5%

NUMBER OF SUBJECTS = 1905

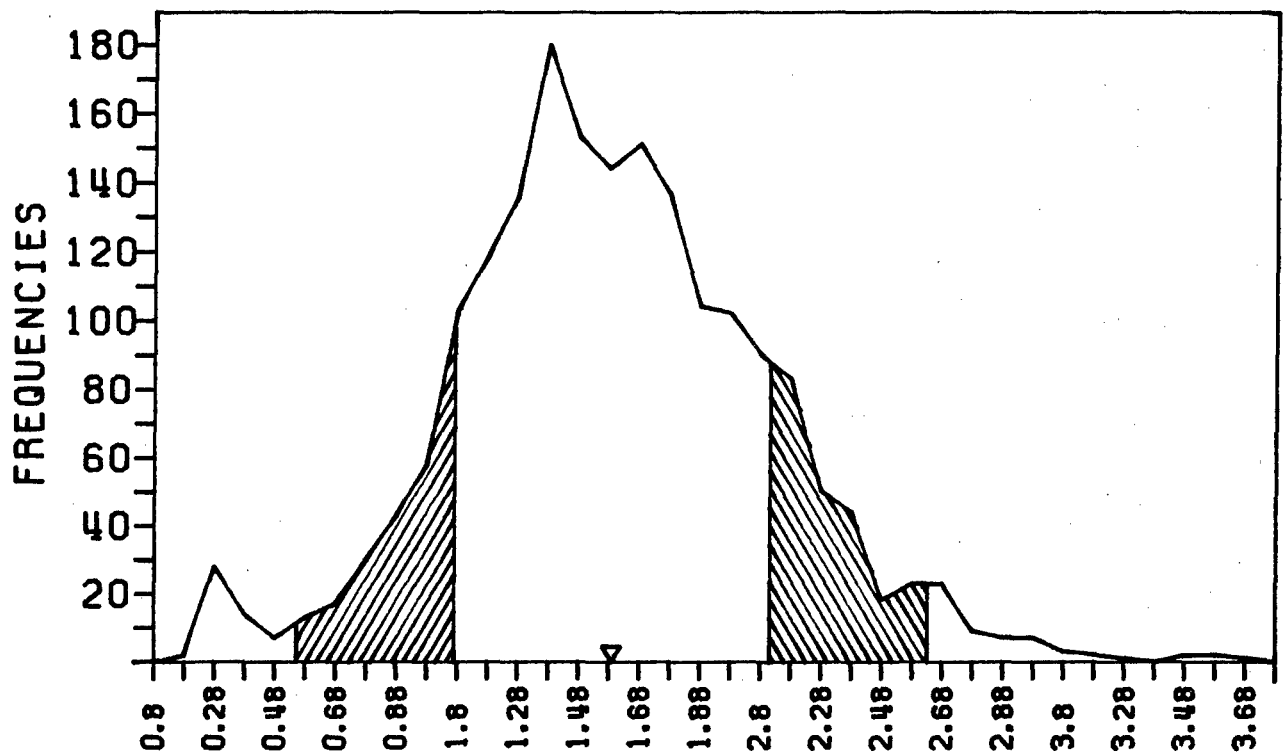
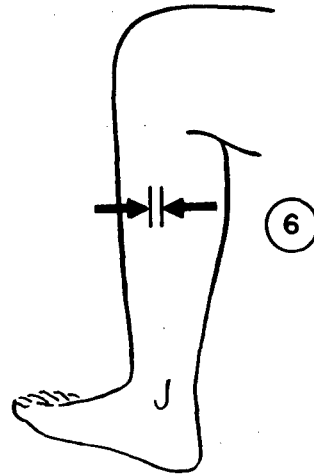
THE PERCENTILES

CENTIMETERS INCHES

3.81 99TH 1.50
3.53 98TH 1.39
3.37 97TH 1.33
3.17 95TH 1.25
2.87 90TH 1.13
2.68 85TH 1.06
2.53 80TH 1.00
2.41 75TH 0.95
2.30 70TH 0.91
2.20 65TH 0.87
2.10 60TH 0.83
2.01 55TH 0.79
1.92 50TH 0.76
1.83 45TH 0.72
1.74 40TH 0.69
1.65 35TH 0.65
1.56 30TH 0.61
1.46 25TH 0.57
1.35 20TH 0.53
1.22 15TH 0.48
1.08 10TH 0.42
0.89 5TH 0.35
0.78 3RD 0.31
0.72 2ND 0.28
0.66 1ST 0.26

(6) MEDIAL CALF SKINFOLD

Subject stands with right foot resting on a platform so that right hip and knee are flexed about 90 degrees. Pick up a skinfold parallel to the long axis of the lower leg at the right calf landmark. Using a Harpenden skinfold caliper, measure the thickness of the fold.



CENTIMETERS

INCHES

1.59 MEAN VALUE 0.63
 0.01 SE(MEAN) 0.00
 0.52 SD DEVIATION 0.20
 0.01 SE(SD DEV) 0.00

SYMMETRY---VETA I = 0.18
 KURTOSIS---VETA II = 3.60
 COEF. OF VARIATION = 32.4%

NUMBER OF SUBJECTS = 1905

THE PERCENTILES

CENTIMETERS

INCHES

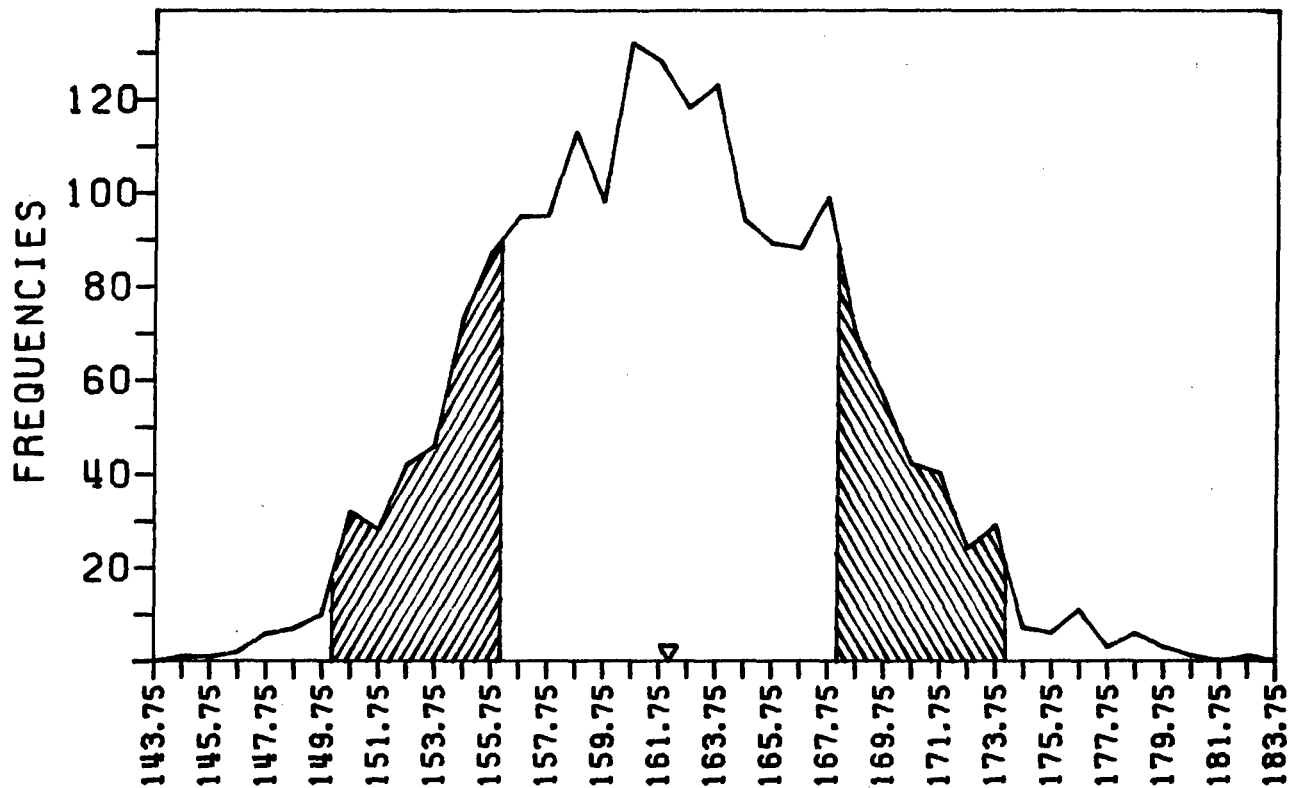
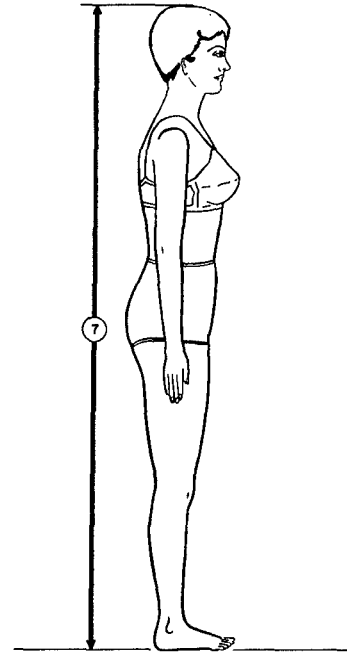
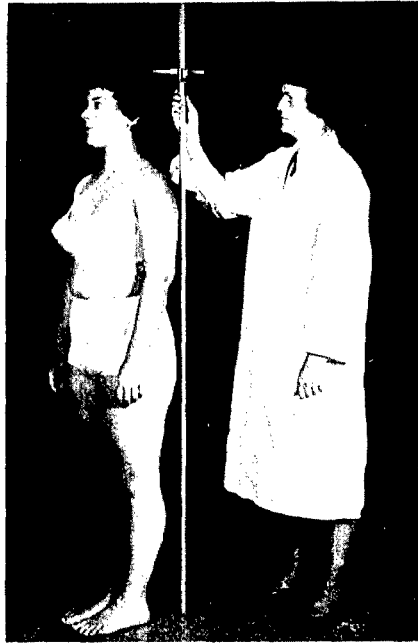
2.90 99TH 1.14
 2.72 98TH 1.07
 2.61 97TH 1.03
 2.46 95TH 0.97
 2.24 90TH 0.88
 2.10 85TH 0.83
 1.99 80TH 0.78
 1.90 75TH 0.75
 1.82 70TH 0.72
 1.75 65TH 0.69
 1.69 60TH 0.67
 1.63 55TH 0.64
 1.57 50TH 0.62
 1.51 45TH 0.59
 1.45 40TH 0.57
 1.39 35TH 0.55
 1.33 30TH 0.52
 1.26 25TH 0.49
 1.18 20TH 0.46
 1.08 15TH 0.43
 0.95 10TH 0.38
 0.74 5TH 0.29
 0.59 3RD 0.23
 0.46 2ND 0.18
 0.24 1ST 0.10

RANGES*	F	CUMF	FPCT	CUMPT
3.63- 3.73	1	1905	0.05	100.00
3.53- 3.63	2	1904	0.10	99.95
3.43- 3.53	2	1902	0.10	99.84
3.33- 3.43	0	1900	0.00	99.74
3.23- 3.33	1	1900	0.05	99.74
3.13- 3.23	2	1899	0.10	99.69
3.03- 3.13	3	1897	0.16	99.58
2.93- 3.03	7	1894	0.37	99.42
2.83- 2.93	7	1887	0.37	99.06
2.73- 2.83	9	1880	0.47	98.69
2.63- 2.73	23	1871	1.21	98.22
2.53- 2.63	23	1848	1.21	97.01
2.43- 2.53	18	1825	0.94	95.80
2.33- 2.43	44	1807	2.31	94.86
2.23- 2.33	50	1763	2.62	92.55
2.13- 2.23	83	1713	4.36	89.92
2.03- 2.13	90	1630	4.72	85.56
1.93- 2.03	102	1540	5.35	80.84
1.83- 1.93	104	1438	5.46	75.49
1.73- 1.83	136	1334	7.14	70.03
1.63- 1.73	151	1198	7.93	62.89
1.53- 1.63	144	1047	7.56	54.96
1.43- 1.53	153	903	8.03	47.40
1.33- 1.43	180	750	9.45	39.37
1.23- 1.33	136	570	7.14	29.92
1.13- 1.23	119	434	6.25	22.78
1.03- 1.13	103	315	5.41	16.54
0.93- 1.03	58	212	3.04	11.13
0.83- 0.93	43	154	2.26	8.08
0.73- 0.83	30	111	1.57	5.83
0.63- 0.73	17	81	0.89	4.25
0.53- 0.63	13	64	0.68	3.36
0.43- 0.53	7	51	0.37	2.68
0.33- 0.43	14	44	0.73	2.31
0.23- 0.33	28	30	1.47	1.57
0.13- 0.23	2	2	0.10	0.10

*IN CENTIMETERS

(7) STATURE

Subject stands erect, head in the Frankfort plane, heels together, and weight distributed equally on both feet. With the arm of the anthropometer firmly touching the scalp, measure the vertical distance from the standing surface to the top of the head.



RANGES*	F	CUMF	FPCT	CUMPT
182.25-183.25	1	1905	0.05	100.00
181.25-182.25	0	1904	0.00	99.95
180.25-181.25	1	1904	0.05	99.95
179.25-180.25	3	1903	0.16	99.90
178.25-179.25	6	1900	0.31	99.74
177.25-178.25	3	1894	0.16	99.42
176.25-177.25	11	1891	0.58	99.27
175.25-176.25	6	1880	0.31	98.69
174.25-175.25	7	1874	0.37	98.37
173.25-174.25	29	1867	1.52	98.01
172.25-173.25	24	1838	1.26	96.48
171.25-172.25	40	1814	2.10	95.22
170.25-171.25	42	1774	2.20	93.12
169.25-170.25	56	1732	2.94	90.92
168.25-169.25	69	1676	3.62	87.98
167.25-168.25	99	1607	5.20	84.36
166.25-167.25	88	1508	4.62	79.16
165.25-166.25	89	1420	4.67	74.54
164.25-165.25	94	1331	4.93	69.87
163.25-164.25	123	1237	6.46	64.93
162.25-163.25	118	1114	6.19	58.48
161.25-162.25	128	996	6.72	52.28
160.25-161.25	132	868	6.93	45.56
159.25-160.25	98	736	5.14	38.64
158.25-159.25	113	638	5.93	33.49
157.25-158.25	95	525	4.99	27.56
156.25-157.25	95	430	4.99	22.57
155.25-156.25	87	335	4.57	17.59
154.25-155.25	73	248	3.83	13.02
153.25-154.25	46	175	2.41	9.19
152.25-153.25	42	129	2.20	6.77
151.25-152.25	28	87	1.47	4.57
150.25-151.25	32	59	1.68	3.10
149.25-150.25	10	27	0.52	1.42
148.25-149.25	7	17	0.37	0.89
147.25-148.25	6	10	0.31	0.52
146.25-147.25	2	4	0.10	0.21
145.25-146.25	1	2	0.05	0.10
144.25-145.25	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS INCHES

162.10	MEAN VALUE	63.82
0.14	SE(MEAN)	0.05
6.00	SD DEVIATION	2.36
0.10	SE(SD DEV)	0.04

SYMMETRY---	VETA I =	0.16
KURTOSIS---	VETA II =	2.77
COEF. OF VARIATION	=	3.7%

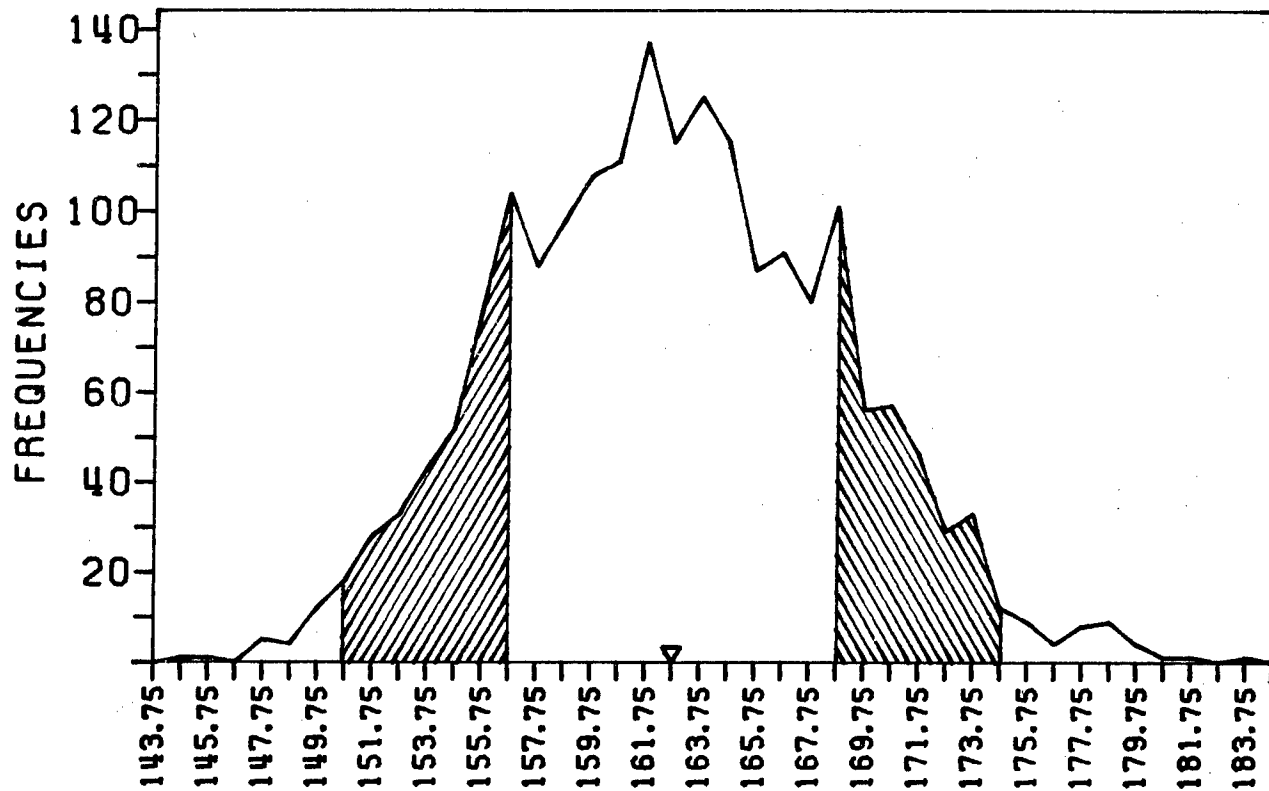
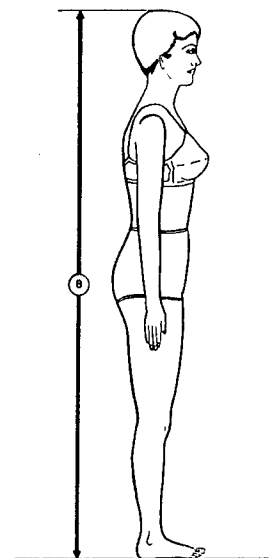
NUMBER OF SUBJECTS = 1905

THE PERCENTILES

CENTIMETERS		INCHES
176.48	99TH	69.48
174.72	98TH	68.79
173.62	97TH	68.35
172.15	95TH	67.77
169.90	90TH	66.89
168.39	85TH	66.30
167.20	80TH	65.82
166.16	75TH	65.42
165.23	70TH	65.05
164.37	65TH	64.71
163.55	60TH	64.39
162.76	55TH	64.08
161.97	50TH	63.77
161.19	45TH	63.46
160.40	40TH	63.15
159.58	35TH	62.83
158.73	30TH	62.49
157.82	25TH	62.13
156.81	20TH	61.74
155.67	15TH	61.29
154.28	10TH	60.74
152.37	5TH	59.99
151.26	3RD	59.55
150.52	2ND	59.26
149.52	1ST	58.87

(8) STATURE, MAXIMUM

Subject stands erect, head in the Frankfort plane, heels together, and weight distributed equally on both feet. While taking a deep breath, subject stretches to maximum stature, maintaining head in the Frankfort plane and feet flat on the floor. With the arm of the anthropometer firmly touching the scalp, measure the vertical distance from the standing surface to the top of the head.



RANGES*	F	CUMF	FPCT	CUMPCT
183.25-184.25	1	1905	0.05	100.00
182.25-183.25	0	1904	0.00	99.95
181.25-182.25	1	1904	0.05	99.95
180.25-181.25	1	1903	0.05	99.90
179.25-180.25	4	1902	0.21	99.84
178.25-179.25	9	1898	0.47	99.63
177.25-178.25	8	1889	0.42	99.16
176.25-177.25	4	1881	0.21	98.74
175.25-176.25	9	1877	0.47	98.53
174.25-175.25	12	1868	0.63	98.06
173.25-174.25	33	1856	1.73	97.43
172.25-173.25	29	1823	1.52	95.70
171.25-172.25	46	1794	2.41	94.17
170.25-171.25	57	1748	2.99	91.76
169.25-170.25	56	1691	2.94	88.77
168.25-169.25	101	1635	5.30	85.83
167.25-168.25	80	1534	4.20	80.52
166.25-167.25	91	1454	4.78	76.33
165.25-166.25	87	1363	4.57	71.55
164.25-165.25	115	1276	6.04	66.98
163.25-164.25	125	1161	6.56	60.94
162.25-163.25	115	1036	6.04	54.38
161.25-162.25	137	921	7.19	48.35
160.25-161.25	111	784	5.83	41.15
159.25-160.25	108	673	5.67	35.33
158.25-159.25	98	565	5.14	29.66
157.25-158.25	88	467	4.62	24.51
156.25-157.25	104	379	5.46	19.90
155.25-156.25	78	275	4.09	14.44
154.25-155.25	52	197	2.73	10.34
153.25-154.25	43	145	2.26	7.61
152.25-153.25	33	102	1.73	5.35
151.25-152.25	28	69	1.47	3.62
150.25-151.25	18	41	0.94	2.15
149.25-150.25	12	23	0.63	1.21
148.25-149.25	4	11	0.21	0.58
147.25-148.25	5	7	0.26	0.37
146.25-147.25	0	2	0.00	0.10
145.25-146.25	1	2	0.05	0.10
144.25-145.25	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS INCHES

162.75	MEAN VALUE	64.07
0.14	SE(MEAN)	0.05
6.02	SD DEVIATION	2.37
0.10	SE(SD DEV)	0.04

SYMMETRY---	VETA I =	0.16
KURTOSIS---	VETA II =	2.80
COEF. OF VARIATION	=	3.7%

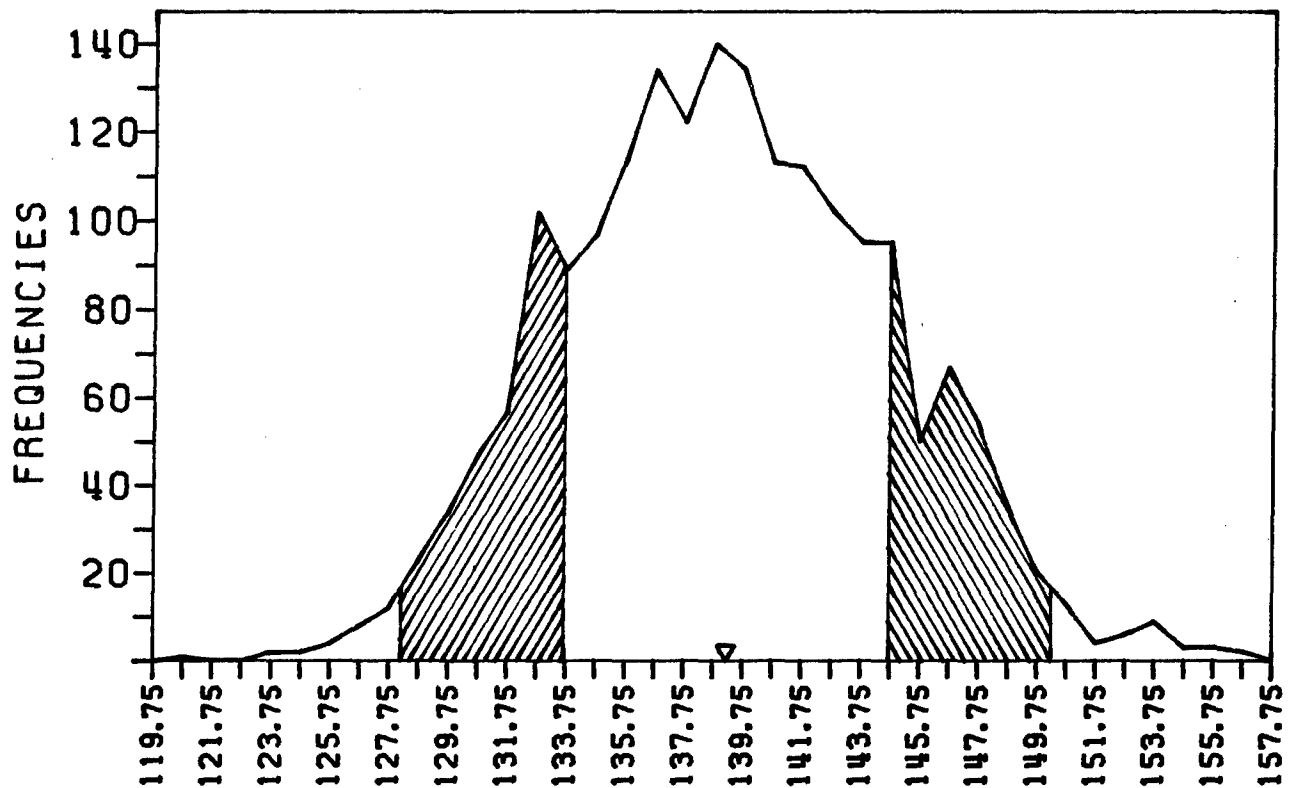
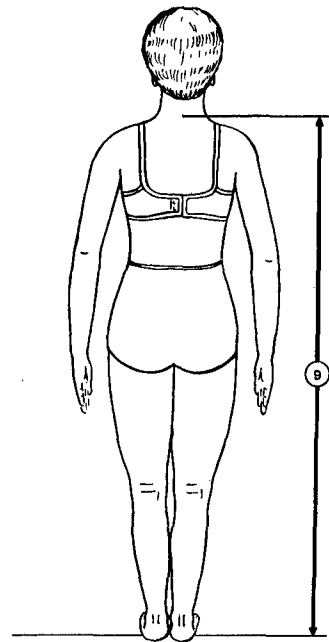
NUMBER OF SUBJECTS = 1905

THE PERCENTILES

CENTIMETERS		INCHES
177.46	99TH	69.87
175.54	98TH	69.11
174.37	97TH	68.65
172.82	95TH	68.04
170.52	90TH	67.14
169.00	85TH	66.54
167.81	80TH	66.07
166.77	75TH	65.66
165.85	70TH	65.30
165.00	65TH	64.96
164.18	60TH	64.64
163.40	55TH	64.33
162.62	50TH	64.02
161.84	45TH	63.72
161.05	40TH	63.41
160.24	35TH	63.09
159.38	30TH	62.75
158.47	25TH	62.39
157.45	20TH	61.99
156.30	15TH	61.54
154.89	10TH	60.98
152.94	5TH	60.21
151.81	3RD	59.77
151.05	2ND	59.47
150.03	1ST	59.07

(9) CERVICALE HEIGHT

Subject stands erect, head in the Frankfort plane, heels together, and weight distributed equally on both feet. With an anthropometer, measure the vertical distance from the standing surface to the cervicale landmark.



RANGES*	F	CUMF	FPCT	CUMPCT
156.25-157.25	2	1905	0.10	100.00
155.25-156.25	3	1903	0.16	99.90
154.25-155.25	3	1900	0.16	99.74
153.25-154.25	9	1897	0.47	99.58
152.25-153.25	6	1888	0.31	99.11
151.25-152.25	4	1882	0.21	98.79
150.25-151.25	13	1878	0.68	98.58
149.25-150.25	20	1865	1.05	97.90
148.25-149.25	35	1845	1.84	96.85
147.25-148.25	54	1810	2.83	95.01
146.25-147.25	67	1756	3.52	92.18
145.25-146.25	50	1689	2.62	88.66
144.25-145.25	95	1639	4.99	86.04
143.25-144.25	95	1544	4.99	81.05
142.25-143.25	102	1449	5.35	76.06
141.25-142.25	112	1347	5.88	70.71
140.25-141.25	113	1235	5.93	64.83
139.25-140.25	134	1122	7.03	58.90
138.25-139.25	140	988	7.35	51.86
137.25-138.25	122	848	6.40	44.51
136.25-137.25	134	726	7.03	38.11
135.25-136.25	114	592	5.98	31.08
134.25-135.25	97	478	5.09	25.09
133.25-134.25	89	381	4.67	20.00
132.25-133.25	102	292	5.35	15.33
131.25-132.25	57	190	2.99	9.97
130.25-131.25	47	133	2.47	6.98
129.25-130.25	34	86	1.78	4.51
128.25-129.25	23	52	1.21	2.73
127.25-128.25	12	29	0.63	1.52
126.25-127.25	8	17	0.42	0.89
125.25-126.25	4	9	0.21	0.47
124.25-125.25	2	5	0.10	0.26
123.25-124.25	2	3	0.10	0.16
122.25-123.25	0	1	0.00	0.05
121.25-122.25	0	1	0.00	0.05
120.25-121.25	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS INCHES

139.20 MEAN VALUE 54.80
0.13 SE(MEAN) 0.05
5.52 SD DEVIATION 2.17
0.09 SE(SD DEV) 0.04

SYMMETRY---VETA I = 0.14
KURTOSIS---VETA II = 2.78
COEF. OF VARIATION = 4.0%

NUMBER OF SUBJECTS = 1905

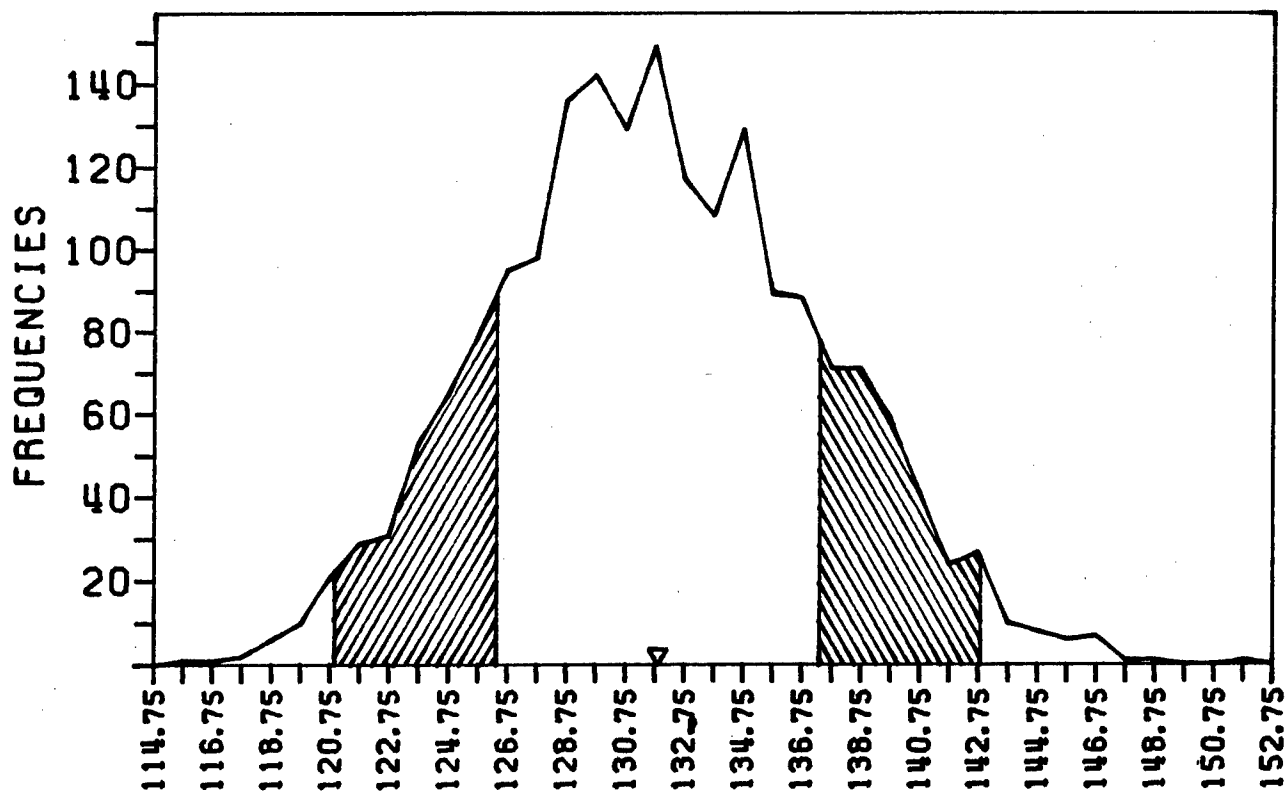
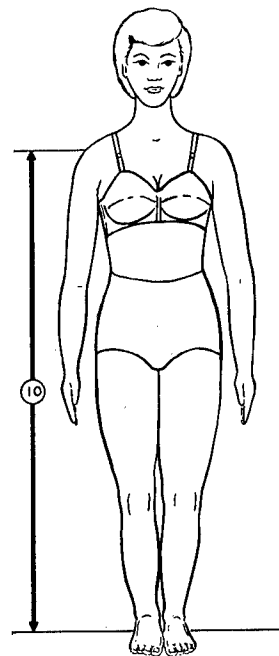
THE PERCENTILES

CENTIMETERS INCHES

152.45	99TH	60.02
150.80	98TH	59.37
149.78	97TH	58.97
148.41	95TH	58.43
146.33	90TH	57.61
144.93	85TH	57.06
143.83	80TH	56.63
142.88	75TH	56.25
142.03	70TH	55.92
141.25	65TH	55.61
140.50	60TH	55.31
139.78	55TH	55.03
139.06	50TH	54.75
138.35	45TH	54.47
137.63	40TH	54.19
136.89	35TH	53.89
136.12	30TH	53.59
135.29	25TH	53.26
134.37	20TH	52.90
133.33	15TH	52.49
132.06	10TH	51.99
130.30	5TH	51.30
129.27	3RD	50.89
128.57	2ND	50.62
127.61	1ST	50.24

(10) ACROMIAL HEIGHT

Subject stands erect looking straight ahead, heels together, and weight distributed equally on both feet. With an anthropometer, measure the vertical distance from the standing surface to the right acromial landmark.



RANGES*	F	CUMF	FPCT	CUMPCT
151.25-152.25	1	1905	0.05	100.00
150.25-151.25	0	1904	0.00	99.95
149.25-150.25	0	1904	0.00	99.95
148.25-149.25	1	1904	0.05	99.95
147.25-148.25	1	1903	0.05	99.90
146.25-147.25	7	1902	0.37	99.84
145.25-146.25	6	1895	0.31	99.48
144.25-145.25	8	1889	0.42	99.16
143.25-144.25	10	1881	0.52	98.74
142.25-143.25	27	1871	1.42	98.22
141.25-142.25	24	1844	1.26	96.80
140.25-141.25	41	1820	2.15	95.54
139.25-140.25	59	1779	3.10	93.39
138.25-139.25	71	1720	3.73	90.29
137.25-138.25	71	1649	3.73	86.56
136.25-137.25	88	1578	4.62	82.83
135.25-136.25	89	1490	4.67	78.22
134.25-135.25	129	1401	6.77	73.54
133.25-134.25	108	1272	5.67	66.77
132.25-133.25	117	1164	6.14	61.10
131.25-132.25	149	1047	7.82	54.96
130.25-131.25	129	898	6.77	47.14
129.25-130.25	142	769	7.45	40.37
128.25-129.25	136	627	7.14	32.91
127.25-128.25	98	491	5.14	25.77
126.25-127.25	95	393	4.99	20.63
125.25-126.25	79	298	4.15	15.64
124.25-125.25	65	219	3.41	11.50
123.25-124.25	53	154	2.78	8.08
122.25-123.25	31	101	1.63	5.30
121.25-122.25	29	70	1.52	3.67
120.25-121.25	21	41	1.10	2.15
119.25-120.25	10	20	0.52	1.05
118.25-119.25	6	10	0.31	0.52
117.25-118.25	2	4	0.10	0.21
116.25-117.25	1	2	0.05	0.10
115.25-116.25	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS INCHES

131.86 MEAN VALUE 51.91
0.13 SE(MEAN) 0.05
5.48 SD DEVIATION 2.16
0.09 SE(SD DEV) 0.03

SYMMETRY---VETA I = 0.14
KURTOSIS---VETA II = 2.78
COEF. OF VARIATION = 4.2%

NUMBER OF SUBJECTS = 1905

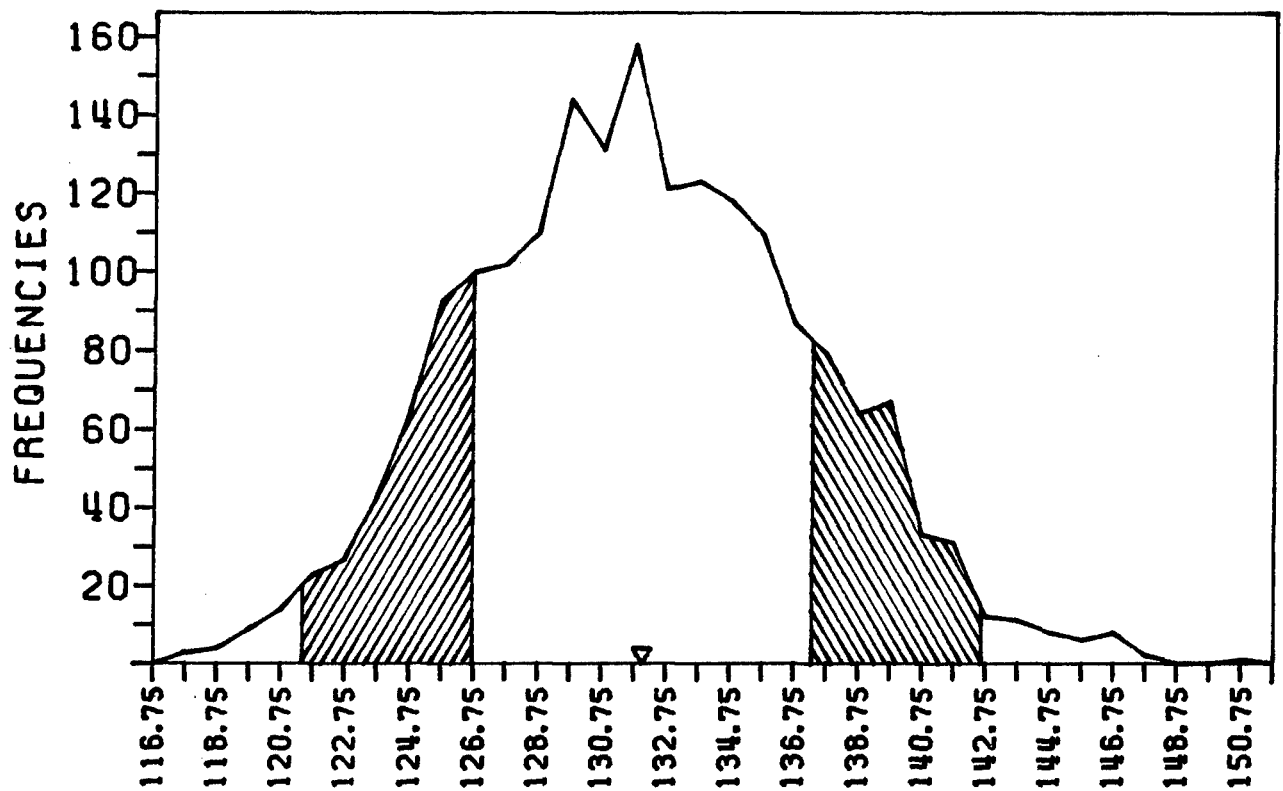
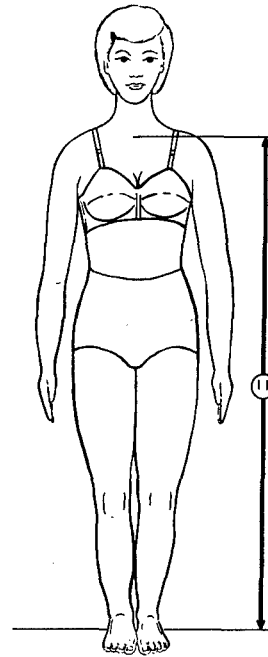
THE PERCENTILES

CENTIMETERS INCHES

144.73	99TH	56.98
143.32	98TH	56.42
142.39	97TH	56.06
141.10	95TH	55.55
139.06	90TH	54.75
137.66	85TH	54.20
136.54	80TH	53.76
135.58	75TH	53.38
134.71	70TH	53.04
133.91	65TH	52.72
133.15	60TH	52.42
132.43	55TH	52.14
131.71	50TH	51.85
130.99	45TH	51.57
130.28	40TH	51.29
129.54	35TH	51.00
128.78	30TH	50.70
127.96	25TH	50.38
127.06	20TH	50.02
126.04	15TH	49.62
124.79	10TH	49.13
123.02	5TH	48.43
121.95	3RD	48.01
121.19	2ND	47.71
120.07	1ST	47.27

(11) SUPRASTERNALE HEIGHT

Subject stands erect looking straight ahead, heels together, and weight distributed equally on both feet. With an anthropometer, measure the vertical distance from the standing surface to the suprasternale landmark.



RANGES*	F	CUMF	FPCT	CUMPC
150.25-151.25	1	1905	0.05	100.00
149.25-150.25	0	1904	0.00	99.95
148.25-149.25	0	1904	0.00	99.95
147.25-148.25	2	1904	0.10	99.95
146.25-147.25	8	1902	0.42	99.84
145.25-146.25	6	1894	0.31	99.42
144.25-145.25	8	1888	0.42	99.11
143.25-144.25	11	1880	0.58	98.69
142.25-143.25	12	1869	0.63	98.11
141.25-142.25	31	1857	1.63	97.48
140.25-141.25	33	1826	1.73	95.85
139.25-140.25	67	1793	3.52	94.12
138.25-139.25	64	1726	3.36	90.60
137.25-138.25	79	1662	4.15	87.24
136.25-137.25	87	1583	4.57	83.10
135.25-136.25	109	1496	5.72	78.53
134.25-135.25	118	1387	6.19	72.81
133.25-134.25	123	1269	6.46	66.61
132.25-133.25	121	1146	6.35	60.16
131.25-132.25	158	1025	8.29	53.81
130.25-131.25	131	867	6.88	45.51
129.25-130.25	144	736	7.56	38.64
128.25-129.25	110	592	5.77	31.08
127.25-128.25	102	482	5.35	25.30
126.25-127.25	100	380	5.25	19.95
125.25-126.25	93	280	4.88	14.70
124.25-125.25	64	187	3.36	9.82
123.25-124.25	43	123	2.26	6.46
122.25-123.25	27	80	1.42	4.20
121.25-122.25	23	53	1.21	2.78
120.25-121.25	14	30	0.73	1.57
119.25-120.25	9	16	0.47	0.84
118.25-119.25	4	7	0.21	0.37
117.25-118.25	3	3	0.16	0.16

*IN CENTIMETERS

CENTIMETERS INCHES

132.00 MEAN VALUE 51.97
0.12 SE (MEAN) 0.05
5.30 SD DEVIATION 2.09
0.09 SE (SD DEV) 0.03

SYMMETRY---VETA I = 0.15
KURTOSIS---VETA II = 2.80
COEF. OF VARIATION = 4.0%

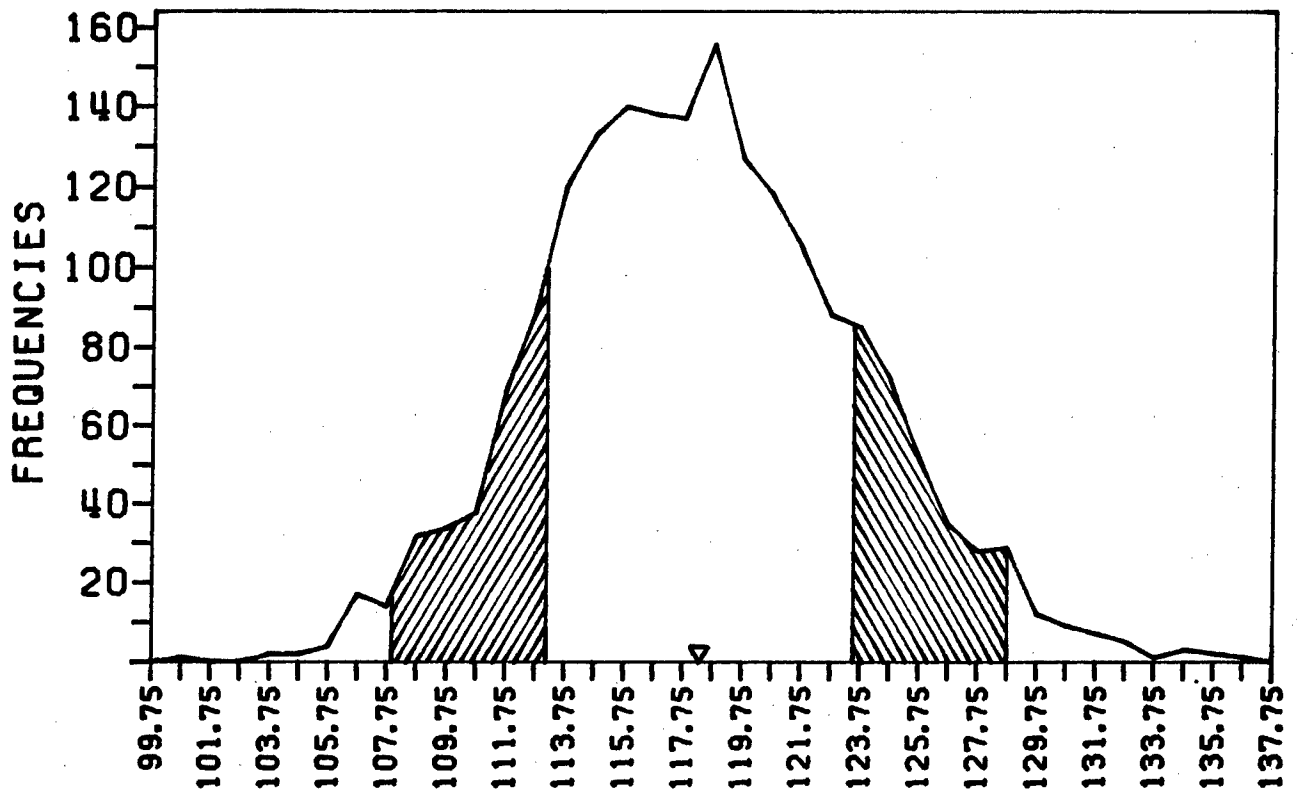
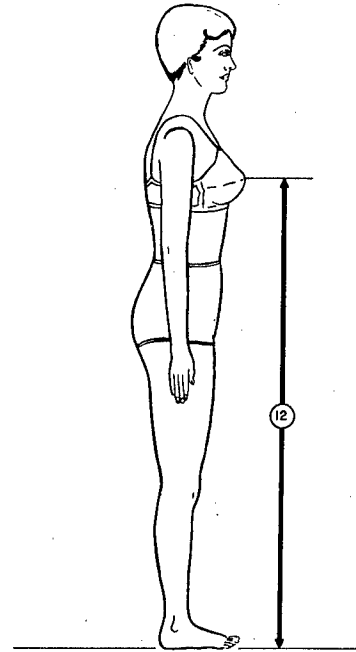
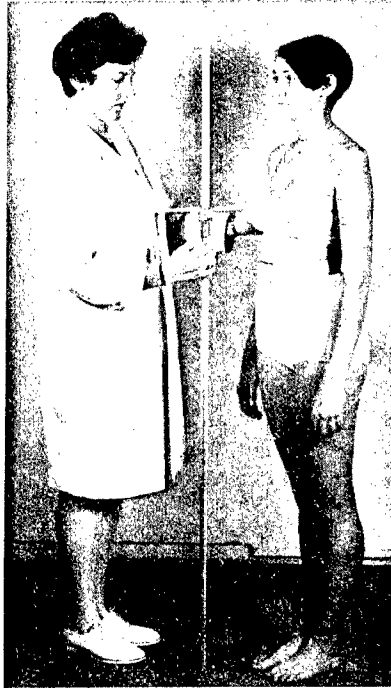
NUMBER OF SUBJECTS = 1905

THE PERCENTILES

CENTIMETERS		INCHES
144.75	99TH	56.99
143.21	98TH	56.38
142.23	97TH	56.00
140.92	95TH	55.48
138.90	90TH	54.69
137.54	85TH	54.15
136.47	80TH	53.73
135.55	75TH	53.37
134.72	70TH	53.04
133.96	65TH	52.74
133.24	60TH	52.46
132.55	55TH	52.18
131.86	50TH	51.92
131.18	45TH	51.65
130.50	40TH	51.38
129.79	35TH	51.10
129.05	30TH	50.81
128.26	25TH	50.50
127.38	20TH	50.15
126.39	15TH	49.76
125.16	10TH	49.28
123.43	5TH	48.59
122.37	3RD	48.18
121.63	2ND	47.88
120.54	1ST	47.46

(12) BUSTPOINT HEIGHT

Subject stands erect looking straight ahead, heels together, and weight distributed equally on both feet. With an anthropometer, measure the vertical distance from the standing surface to the right bustpoint landmark.



RANGES*	F	CUMF	FPCT	CUMPCT
136.25-137.25	1	1905	0.05	100.00
135.25-136.25	2	1904	0.10	99.95
134.25-135.25	3	1902	0.16	99.84
133.25-134.25	1	1899	0.05	99.69
132.25-133.25	5	1898	0.26	99.63
131.25-132.25	7	1893	0.37	99.37
130.25-131.25	9	1886	0.47	99.00
129.25-130.25	12	1877	0.63	98.53
128.25-129.25	29	1865	1.52	97.90
127.25-128.25	28	1836	1.47	96.38
126.25-127.25	35	1808	1.84	94.91
125.25-126.25	52	1773	2.73	93.07
124.25-125.25	72	1721	3.78	90.34
123.25-124.25	85	1649	4.46	86.56
122.25-123.25	88	1564	4.62	82.10
121.25-122.25	105	1476	5.51	77.48
120.25-121.25	118	1371	6.19	71.97
119.25-120.25	127	1253	6.67	65.77
118.25-119.25	156	1126	8.19	59.11
117.25-118.25	137	970	7.19	50.92
116.25-117.25	138	833	7.24	43.73
115.25-116.25	140	695	7.35	36.48
114.25-115.25	133	555	6.98	29.13
113.25-114.25	120	422	6.30	22.15
112.25-113.25	89	302	4.67	15.85
111.25-112.25	69	213	3.62	11.18
110.25-111.25	38	144	1.99	7.56
109.25-110.25	34	106	1.78	5.56
108.25-109.25	32	72	1.68	3.78
107.25-108.25	14	40	0.73	2.10
106.25-107.25	17	26	0.89	1.36
105.25-106.25	4	9	0.21	0.47
104.25-105.25	2	5	0.10	0.26
103.25-104.25	2	3	0.10	0.16
102.25-103.25	0	1	0.00	0.05
101.25-102.25	0	1	0.00	0.05
100.25-101.25	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS INCHES

118.32 MEAN VALUE 46.58
0.12 SE(MEAN) 0.05
5.21 SD DEVIATION 2.05
0.08 SE(SD DEV) 0.03

SYMMETRY---VETA I = 0.20
KURTOSIS---VETA II = 3.01
COEF. OF VARIATION = 4.4%

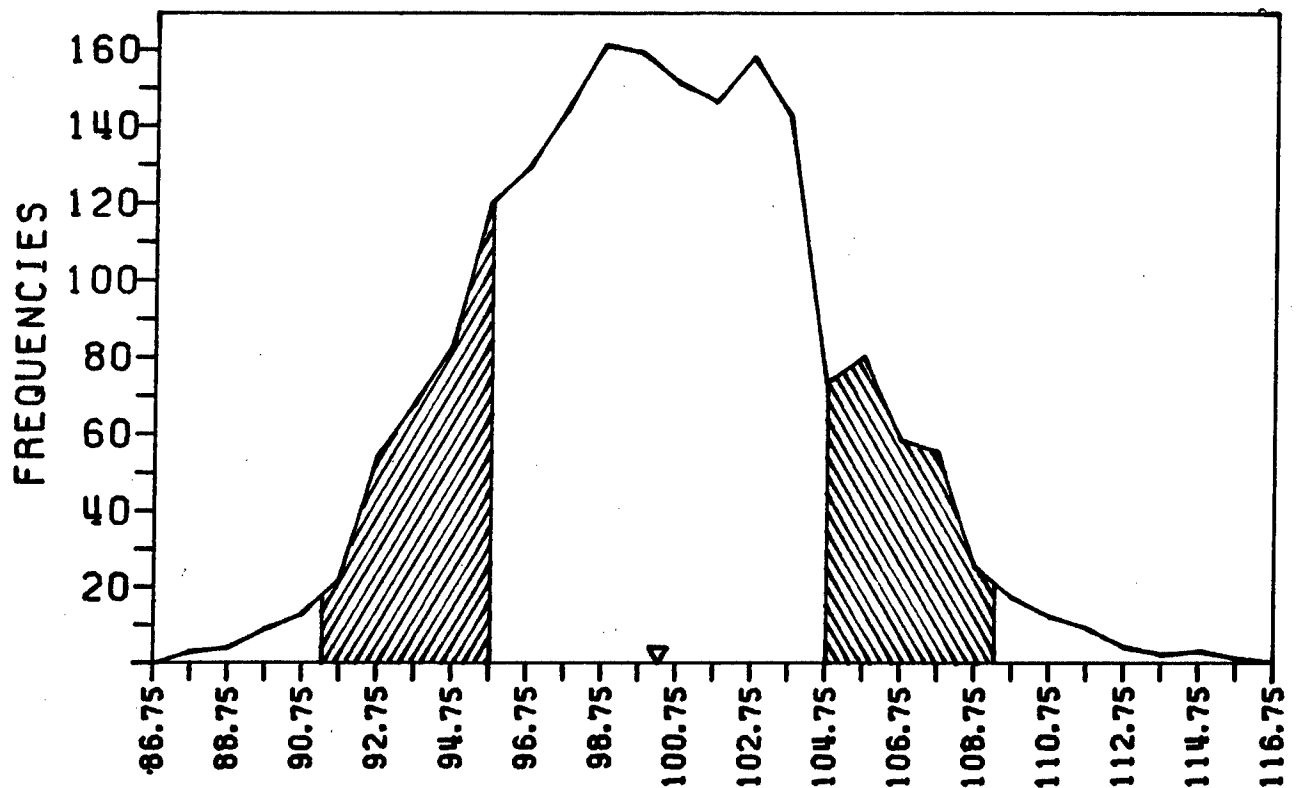
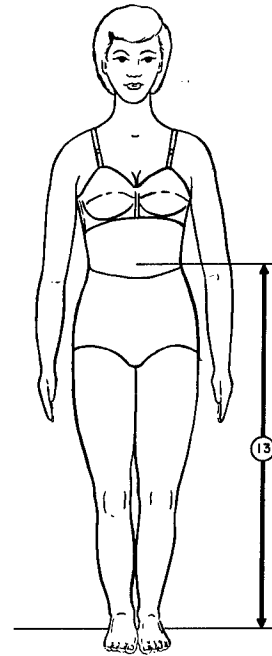
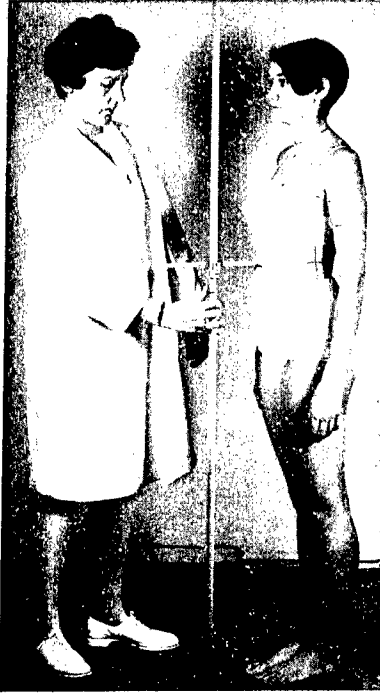
NUMBER OF SUBJECTS = 1905

THE PERCENTILES

CENTIMETERS		INCHES
131.13	99TH	51.63
129.62	98TH	51.03
128.64	97TH	50.64
127.29	95TH	50.11
125.20	90TH	49.29
123.80	85TH	48.74
122.70	80TH	48.31
121.76	75TH	47.94
120.93	70TH	47.61
120.17	65TH	47.31
119.45	60TH	47.03
118.77	55TH	46.76
118.11	50TH	46.50
117.45	45TH	46.24
116.79	40TH	45.98
116.12	35TH	45.72
115.43	30TH	45.44
114.68	25TH	45.15
113.86	20TH	44.83
112.92	15TH	44.46
111.75	10TH	44.00
110.04	5TH	43.32
108.93	3RD	42.88
108.10	2ND	42.56
106.79	1ST	42.04

(13) WAIST HEIGHT

Subject stands erect looking straight ahead, heels together, and weight distributed equally on both feet. With an anthropometer, measure the vertical distance from the standing surface to the anterior waist landmark.



CENTIMETERS INCHES

100.28 MEAN VALUE 39.48
0.10 SE (MEAN) 0.04
4.50 SD DEVIATION 1.77
0.07 SE (SD DEV) 0.03

SYMMETRY---VETA I = 0.15
KURTOSIS---VETA II = 2.86
COEF. OF VARIATION = 4.5%

NUMBER OF SUBJECTS = 1905

THE PERCENTILES

CENTIMETERS INCHES

111.16	99TH	43.76
109.84	98TH	43.24
109.01	97TH	42.92
107.88	95TH	42.47
106.15	90TH	41.79
104.99	85TH	41.33
104.07	80TH	40.97
103.28	75TH	40.66
102.58	70TH	40.38
101.93	65TH	40.13
101.32	60TH	39.89
100.73	55TH	39.66
100.14	50TH	39.43
99.57	45TH	39.20
98.99	40TH	38.97
98.39	35TH	38.74
97.77	30TH	38.49
97.10	25TH	38.23
96.37	20TH	37.94
95.53	15TH	37.61
94.50	10TH	37.21
93.06	5TH	36.64
92.17	3RD	36.29
91.55	2ND	36.04
90.65	1ST	35.69

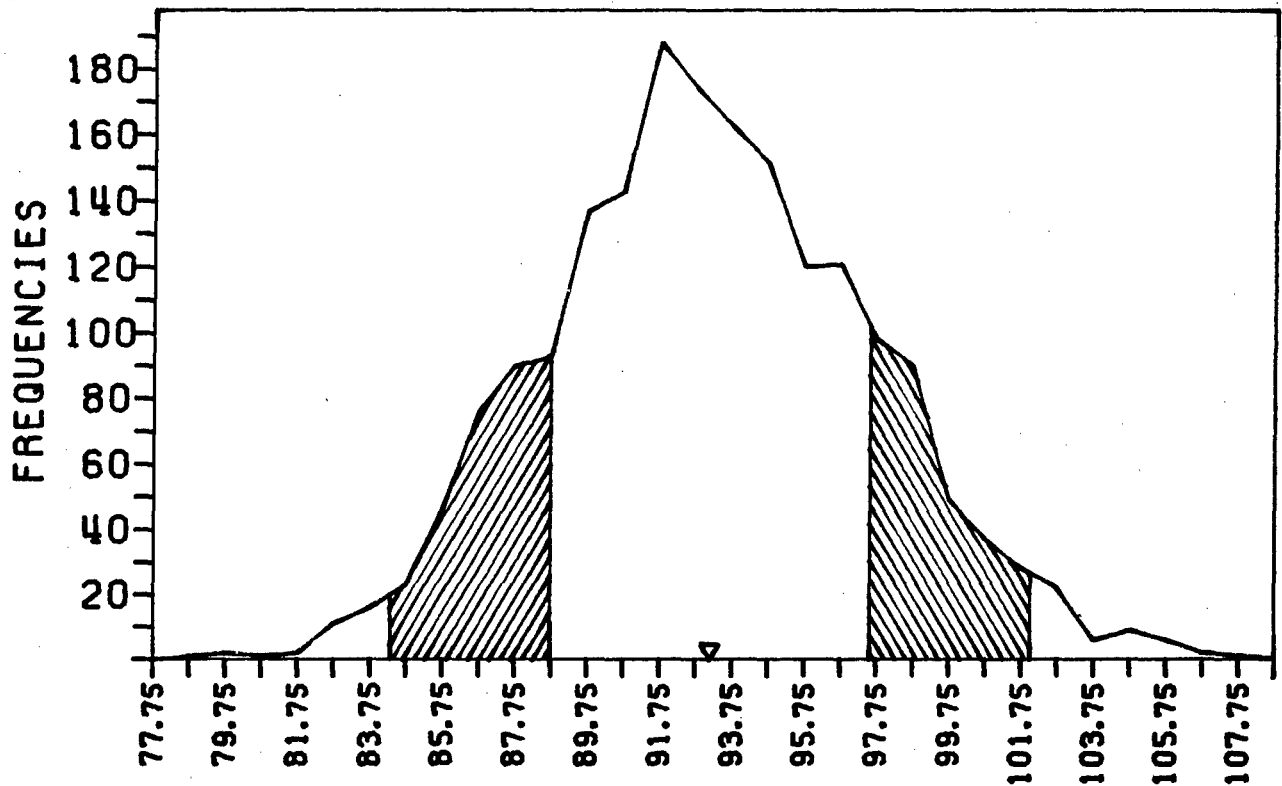
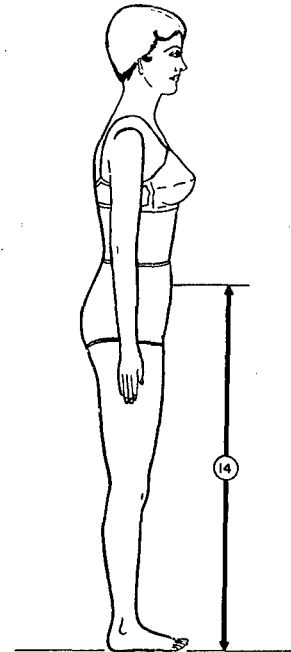
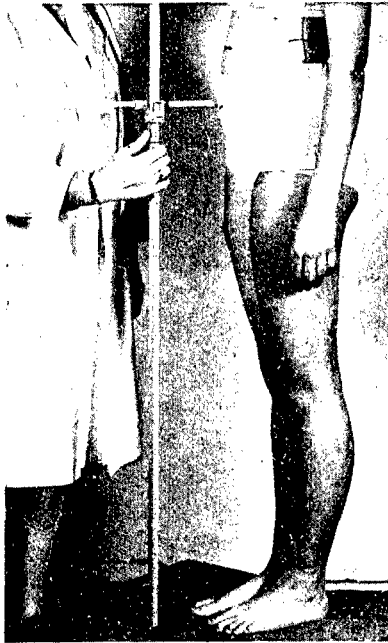
RANGES* F CUMF FPCT CUMPCCT

115.25-116.25	1	1905	0.05	100.00
114.25-115.25	3	1904	0.16	99.95
113.25-114.25	2	1901	0.10	99.79
112.25-113.25	4	1899	0.21	99.69
111.25-112.25	9	1895	0.47	99.48
110.25-111.25	12	1886	0.63	99.00
109.25-110.25	17	1874	0.89	98.37
108.25-109.25	25	1857	1.31	97.48
107.25-108.25	55	1832	2.89	96.17
106.25-107.25	58	1777	3.04	93.28
105.25-106.25	80	1719	4.20	90.24
104.25-105.25	73	1639	3.83	86.04
103.25-104.25	142	1566	7.45	82.20
102.25-103.25	158	1424	8.29	74.75
101.25-102.25	146	1266	7.66	66.46
100.25-101.25	151	1120	7.93	58.79
99.25-100.25	159	969	8.35	50.87
98.25- 99.25	161	810	8.45	42.52
97.25- 98.25	144	649	7.56	34.07
96.25- 97.25	129	505	6.77	26.51
95.25- 96.25	120	376	6.30	19.74
94.25- 95.25	83	256	4.36	13.44
93.25- 94.25	68	173	3.57	9.08
92.25- 93.25	54	105	2.83	5.51
91.25- 92.25	22	51	1.15	2.68
90.25- 91.25	13	29	0.68	1.52
89.25- 90.25	9	16	0.47	0.84
88.25- 89.25	4	7	0.21	0.37
87.25- 88.25	3	3	0.16	0.16

*IN CENTIMETERS

(14) ABDOMINAL EXTENSION HEIGHT

Subject stands erect looking straight ahead, heels together, and weight distributed equally on both feet. With an anthropometer, measure the vertical distance from the standing surface to the abdominal extension landmark.



CENTIMETERS INCHES

93.15 MEAN VALUE 36.67
 0.10 SE(MEAN) 0.04
 4.42 SD DEVIATION 1.74
 0.07 SE(SD DEV) 0.03

SYMMETRY---VETA I = 0.15
 KURTOSIS---VETA II = 2.89
 COEF. OF VARIATION = 4.7%

NUMBER OF SUBJECTS = 1905

THE PERCENTILES

CENTIMETERS INCHES

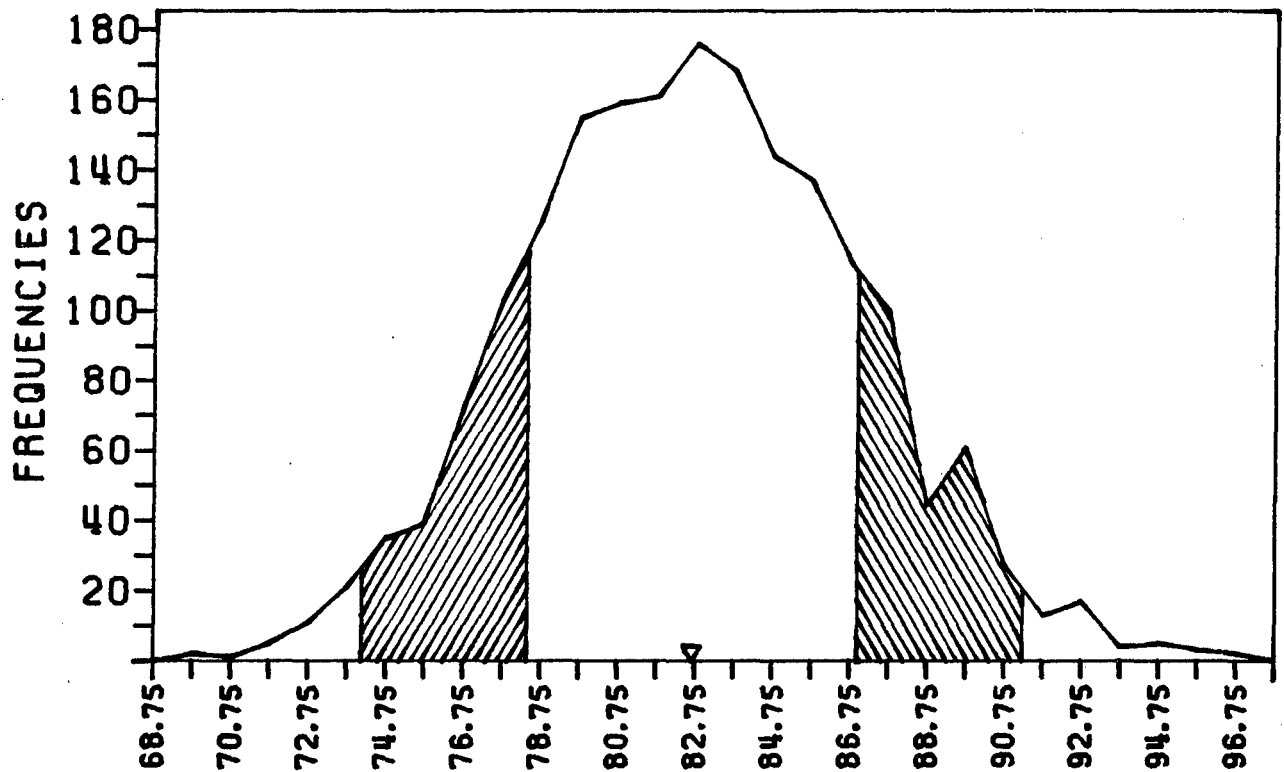
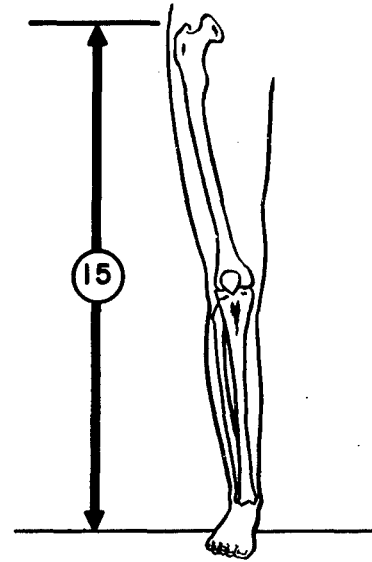
104.01	99TH	40.95
102.69	98TH	40.43
101.85	97TH	40.10
100.72	95TH	39.65
98.97	90TH	38.97
97.80	85TH	38.51
96.89	80TH	38.14
96.10	75TH	37.84
95.40	70TH	37.56
94.76	65TH	37.31
94.16	60TH	37.07
93.58	55TH	36.84
93.02	50TH	36.62
92.45	45TH	36.40
91.89	40TH	36.18
91.31	35TH	35.95
90.71	30TH	35.71
90.06	25TH	35.46
89.35	20TH	35.18
88.54	15TH	34.86
87.52	10TH	34.46
86.06	5TH	33.88
85.14	3RD	33.52
84.47	2ND	33.26
83.44	1ST	32.85

RANGES*	F	CUMF	FPCT	CUMPT
107.25-108.25	1	1905	0.05	100.00
106.25-107.25	2	1904	0.10	99.95
105.25-106.25	6	1902	0.31	99.84
104.25-105.25	9	1896	0.47	99.53
103.25-104.25	6	1887	0.31	99.06
102.25-103.25	22	1881	1.15	98.74
101.25-102.25	28	1859	1.47	97.59
100.25-101.25	37	1831	1.94	96.12
99.25-100.25	49	1794	2.57	94.17
98.25- 99.25	90	1745	4.72	91.60
97.25- 98.25	98	1655	5.14	86.88
96.25- 97.25	121	1557	6.35	81.73
95.25- 96.25	120	1436	6.30	75.38
94.25- 95.25	151	1316	7.93	69.08
93.25- 94.25	162	1165	8.50	61.15
92.25- 93.25	174	1003	9.13	52.65
91.25- 92.25	188	829	9.87	43.52
90.25- 91.25	143	641	7.51	33.65
89.25- 90.25	137	498	7.19	26.14
88.25- 89.25	93	361	4.88	18.95
87.25- 88.25	90	268	4.72	14.07
86.25- 87.25	76	178	3.99	9.34
85.25- 86.25	46	102	2.41	5.35
84.25- 85.25	23	56	1.21	2.94
83.25- 84.25	16	33	0.84	1.73
82.25- 83.25	11	17	0.58	0.89
81.25- 82.25	2	6	0.10	0.31
80.25- 81.25	1	4	0.05	0.21
79.25- 80.25	2	3	0.10	0.16
78.25- 79.25	1	1	0.05	0.05

*IN CENTIMETERS

(15) TROCHANTERIC HEIGHT

Subject stands erect looking straight ahead, heels together, and weight distributed equally on both feet. With an anthropometer, measure the vertical distance from the standing surface to the right trochanteric landmark.



CENTIMETERS

INCHES

82.67 MEAN VALUE 32.55
 0.10 SE(MEAN) 0.04
 4.27 SD DEVIATION 1.68
 0.07 SE(SD DEV) 0.03

SYMMETRY---VETA I = 0.12
 KURTOSIS---VETA II = 2.86
 COEF. OF VARIATION = 5.2%

NUMBER OF SUBJECTS = 1905

THE PERCENTILES

CENTIMETERS

INCHES

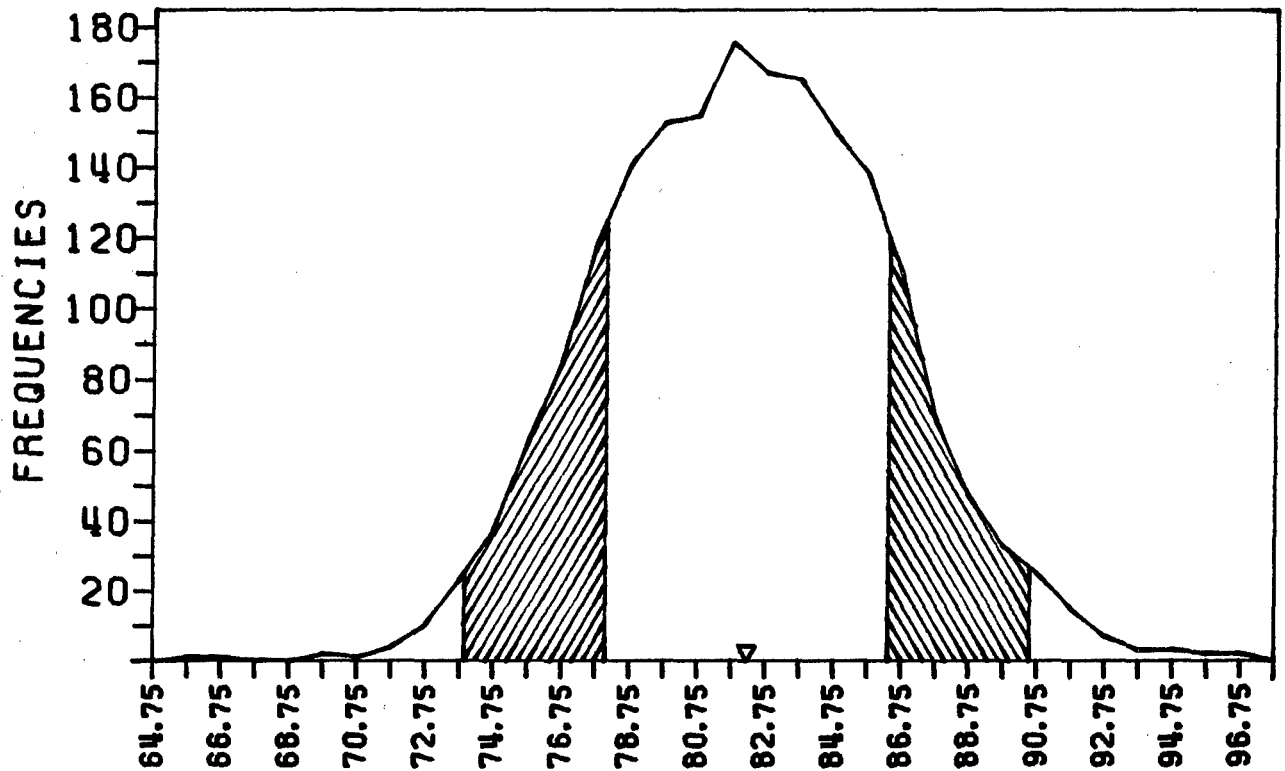
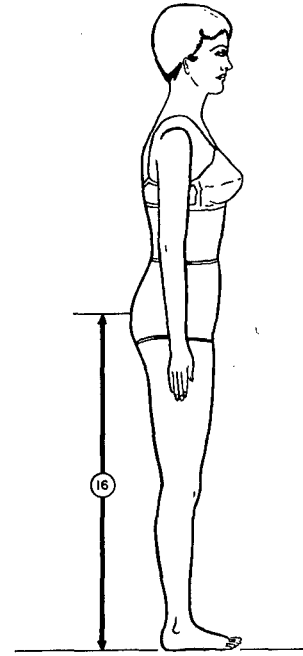
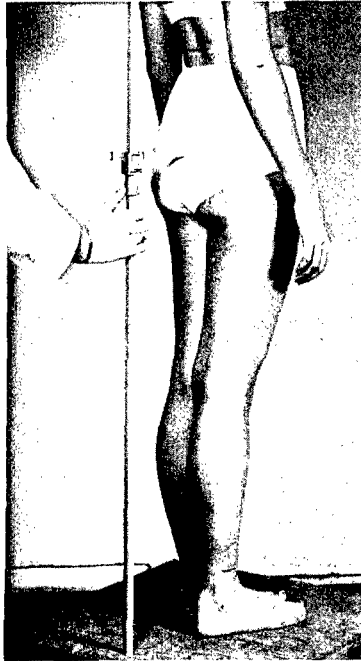
92.92	99TH	36.58
91.67	98TH	36.09
90.88	97TH	35.78
89.82	95TH	35.36
88.21	90TH	34.73
87.13	85TH	34.30
86.28	80TH	33.97
85.54	75TH	33.68
84.88	70TH	33.42
84.28	65TH	33.18
83.70	60TH	32.95
83.15	55TH	32.73
82.60	50TH	32.52
82.05	45TH	32.30
81.50	40TH	32.09
80.93	35TH	31.86
80.34	30TH	31.63
79.70	25TH	31.38
78.99	20TH	31.10
78.17	15TH	30.78
77.16	10TH	30.38
75.72	5TH	29.81
74.82	3RD	29.46
74.18	2ND	29.21
73.24	1ST	28.83

RANGES*	F	CUMF	FPCT	CUMPCT
96.25- 97.25	2	1905	0.10	100.00
95.25- 96.25	3	1903	0.16	99.90
94.25- 95.25	5	1900	0.26	99.74
93.25- 94.25	4	1895	0.21	99.48
92.25- 93.25	17	1891	0.89	99.27
91.25- 92.25	13	1874	0.68	98.37
90.25- 91.25	27	1861	1.42	97.69
89.25- 90.25	61	1834	3.20	96.27
88.25- 89.25	44	1773	2.31	93.07
87.25- 88.25	100	1729	5.25	90.76
86.25- 87.25	114	1629	5.98	85.51
85.25- 86.25	137	1515	7.19	79.53
84.25- 85.25	144	1378	7.56	72.34
83.25- 84.25	168	1234	8.82	64.78
82.25- 83.25	176	1066	9.24	55.96
81.25- 82.25	161	890	8.45	46.72
80.25- 81.25	159	729	8.35	38.27
79.25- 80.25	155	570	8.14	29.92
78.25- 79.25	126	415	6.61	21.78
77.25- 78.25	103	289	5.41	15.17
76.25- 77.25	72	186	3.78	9.76
75.25- 76.25	39	114	2.05	5.98
74.25- 75.25	35	75	1.84	3.94
73.25- 74.25	21	40	1.10	2.10
72.25- 73.25	11	19	0.58	1.00
71.25- 72.25	5	8	0.26	0.42
70.25- 71.25	1	3	0.05	0.16
69.25- 70.25	2	2	0.10	0.10

*IN CENTIMETERS

(16) BUTTOCK HEIGHT

Subject stands erect looking straight ahead, heels together, and weight distributed equally on both feet. With an anthropometer, measure the vertical distance from the standing surface to the buttock landmark.



RANGES*	F	CUMF	FPCT	CUMPT
96.25- 97.25	2	1905	0.10	100.00
95.25- 96.25	2	1903	0.10	99.90
94.25- 95.25	3	1901	0.16	99.79
93.25- 94.25	3	1898	0.16	99.63
92.25- 93.25	7	1895	0.37	99.48
91.25- 92.25	15	1888	0.79	99.11
90.25- 91.25	25	1873	1.31	98.32
89.25- 90.25	33	1848	1.73	97.01
88.25- 89.25	47	1815	2.47	95.28
87.25- 88.25	69	1768	3.62	92.81
86.25- 87.25	110	1699	5.77	89.19
85.25- 86.25	138	1589	7.24	83.41
84.25- 85.25	150	1451	7.87	76.17
83.25- 84.25	165	1301	8.66	68.29
82.25- 83.25	167	1136	8.77	59.63
81.25- 82.25	176	969	9.24	50.87
80.25- 81.25	155	793	8.14	41.63
79.25- 80.25	153	638	8.03	33.49
78.25- 79.25	141	485	7.40	25.46
77.25- 78.25	118	344	6.19	18.06
76.25- 77.25	85	226	4.46	11.86
75.25- 76.25	62	141	3.25	7.40
74.25- 75.25	37	79	1.94	4.15
73.25- 74.25	23	42	1.21	2.20
72.25- 73.25	10	19	0.52	1.00
71.25- 72.25	4	9	0.21	0.47
70.25- 71.25	1	5	0.05	0.26
69.25- 70.25	2	4	0.10	0.21
68.25- 69.25	0	2	0.00	0.10
67.25- 68.25	0	2	0.00	0.10
66.25- 67.25	1	2	0.05	0.10
65.25- 66.25	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS	INCHES
82.21	MEAN VALUE 32.37
0.10	SE(MEAN) 0.04
4.16	SD DEVIATION 1.64
0.07	SE(SD DEV) 0.03

SYMMETRY---VETA I = 0.09
KURTOSIS---VETA II = 3.03
COEF. OF VARIATION = 5.1%

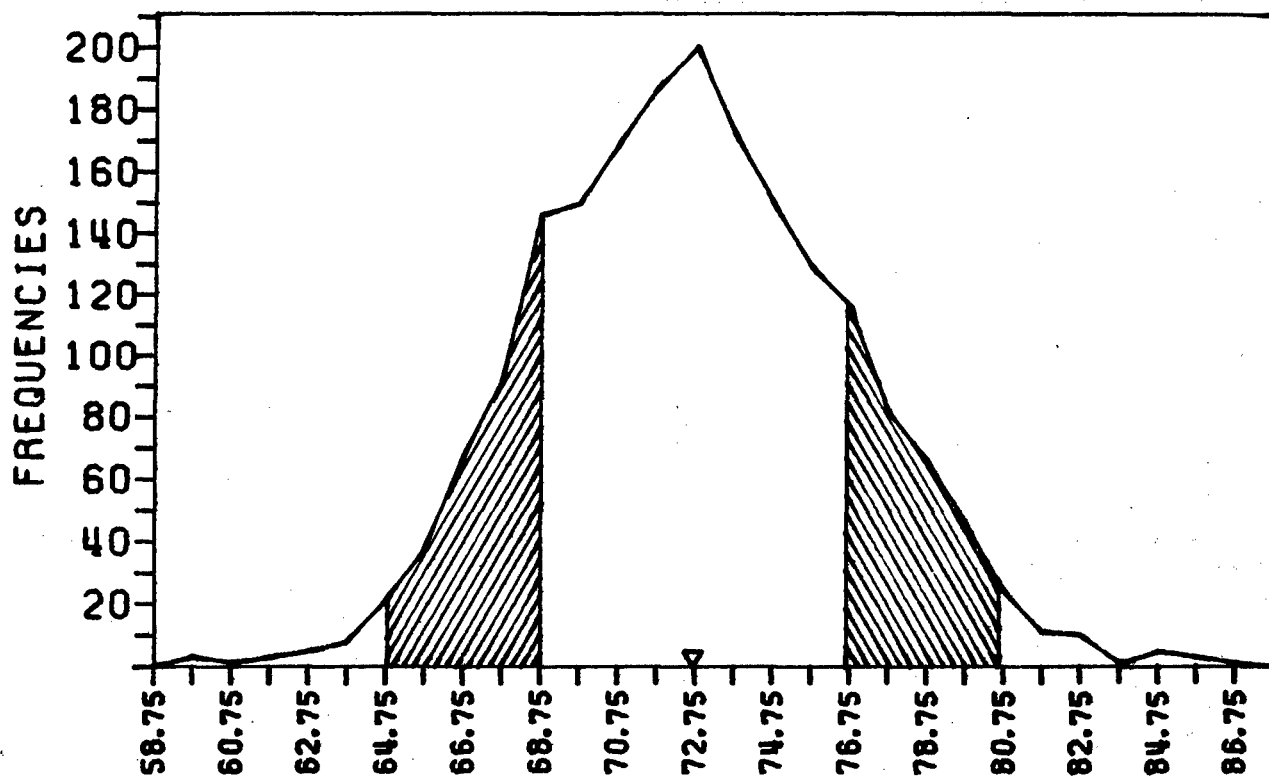
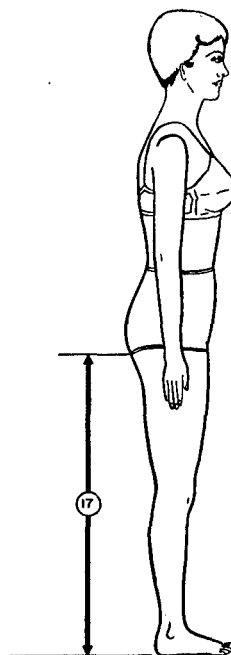
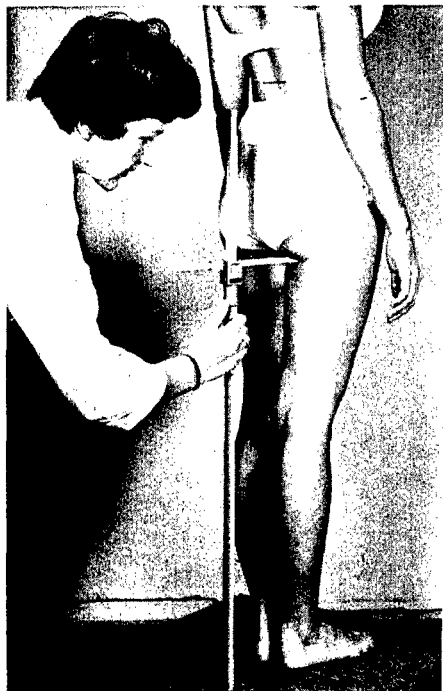
NUMBER OF SUBJECTS = 1905

THE PERCENTILES

CENTIMETERS		INCHES
92.14	99TH	36.28
90.94	98TH	35.80
90.19	97TH	35.51
89.18	95TH	35.11
87.63	90TH	34.50
86.59	85TH	34.09
85.76	80TH	33.76
85.04	75TH	33.48
84.40	70TH	33.23
83.80	65TH	32.99
83.23	60TH	32.77
82.69	55TH	32.55
82.14	50TH	32.34
81.60	45TH	32.13
81.05	40TH	31.91
80.49	35TH	31.69
79.90	30TH	31.46
79.27	25TH	31.21
78.56	20TH	30.93
77.77	15TH	30.62
76.79	10TH	30.23
75.43	5TH	29.70
74.62	3RD	29.38
74.07	2ND	29.16
73.30	1ST	28.86

(17) GLUTEAL FURROW HEIGHT

Subject stands erect looking straight ahead, heels together, and weight distributed equally on both feet. With an anthropometer, measure the vertical distance from the standing surface to the lowest point on the right gluteal furrow.



RANGES*	F	CUMF	FPCT	CUMPCT
86.25- 87.25	1	1905	0.05	100.00
85.25- 86.25	3	1904	0.16	99.95
84.25- 85.25	5	1901	0.26	99.79
83.25- 84.25	1	1896	0.05	99.53
82.25- 83.25	10	1895	0.52	99.48
81.25- 82.25	11	1885	0.58	98.95
80.25- 81.25	24	1874	1.26	98.37
79.25- 80.25	46	1850	2.41	97.11
78.25- 79.25	66	1804	3.46	94.70
77.25- 78.25	82	1738	4.30	91.23
76.25- 77.25	116	1656	6.09	86.93
75.25- 76.25	129	1540	6.77	80.84
74.25- 75.25	150	1411	7.87	74.07
73.25- 74.25	172	1261	9.03	66.19
72.25- 73.25	200	1089	10.50	57.17
71.25- 72.25	187	889	9.82	46.67
70.25- 71.25	169	702	8.87	36.85
69.25- 70.25	150	533	7.87	27.98
68.25- 69.25	146	383	7.66	20.10
67.25- 68.25	92	237	4.83	12.44
66.25- 67.25	67	145	3.52	7.61
65.25- 66.25	37	78	1.94	4.09
64.25- 65.25	21	41	1.10	2.15
63.25- 64.25	8	20	0.42	1.05
62.25- 63.25	5	12	0.26	0.63
61.25- 62.25	3	7	0.16	0.37
60.25- 61.25	1	4	0.05	0.21
59.25- 60.25	3	3	0.16	0.16

*IN CENTIMETERS

CENTIMETERS INCHES

72.70	MEAN VALUE	28.62
0.09	SE (MEAN)	0.04
3.96	SD DEVIATION	1.56
0.06	SE (SD DEV)	0.03

SYMMETRY---	VETA I =	0.15
KURTOSIS---	VETA II =	3.01
COEF. OF VARIATION	=	5.4%

NUMBER OF SUBJECTS = 1905

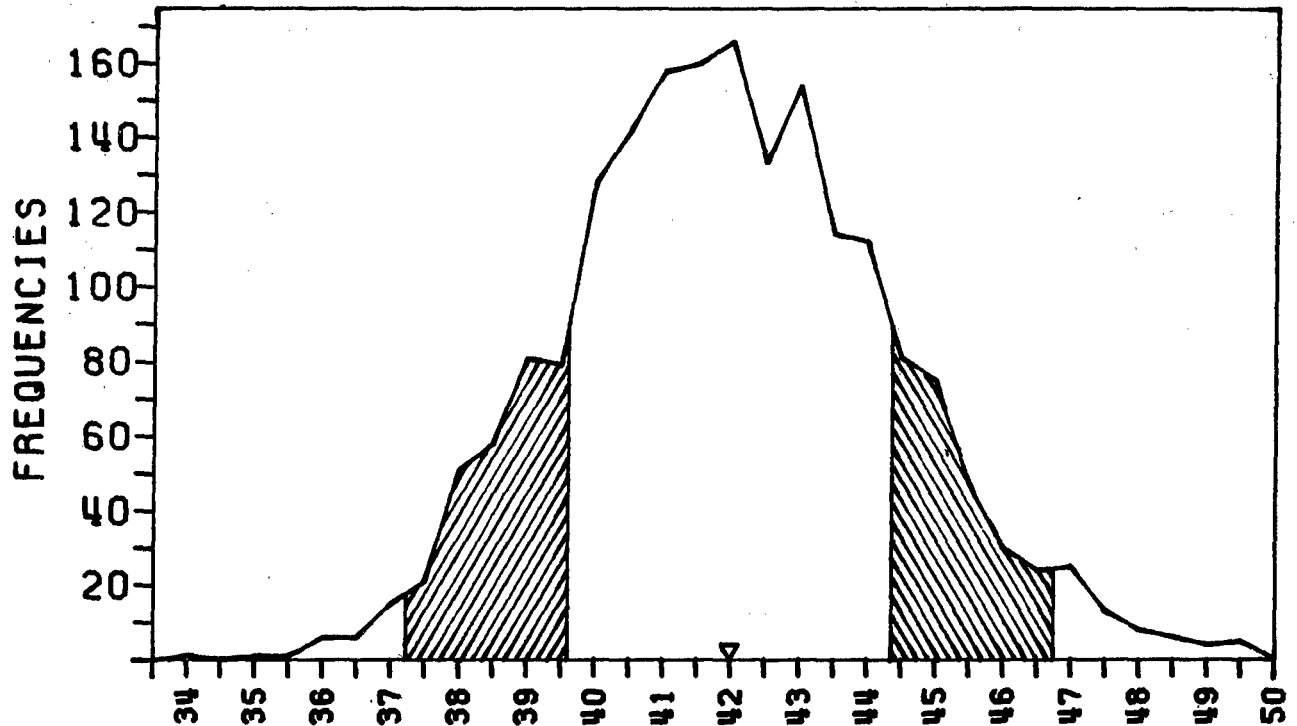
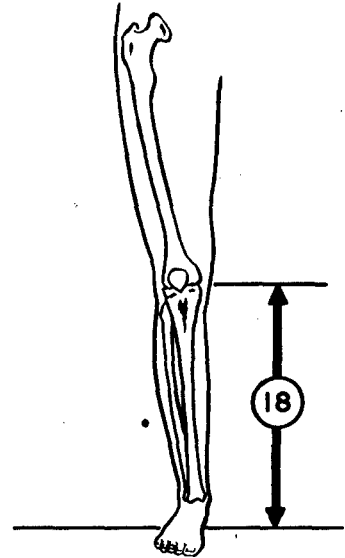
THE PERCENTILES

CENTIMETERS INCHES

82.18	99TH	32.35
81.09	98TH	31.92
80.38	97TH	31.65
79.40	95TH	31.26
77.88	90TH	30.66
76.85	85TH	30.26
76.04	80TH	29.94
75.34	75TH	29.66
74.71	70TH	29.41
74.14	65TH	29.19
73.60	60TH	28.98
73.08	55TH	28.77
72.57	50TH	28.57
72.07	45TH	28.37
71.56	40TH	28.18
71.05	35TH	27.97
70.51	30TH	27.76
69.94	25TH	27.53
69.31	20TH	27.29
68.59	15TH	27.00
67.70	10TH	26.65
66.44	5TH	26.16
65.65	3RD	25.84
65.08	2ND	25.62
64.21	1ST	25.28

(18) TIBIALE HEIGHT

Subject stands erect, heels together, and weight distributed equally on both feet. With an anthropometer, measure the vertical distance from the standing surface to the tibiale landmark on the right leg.



RANGES*	F	CUMF	FPCT	CUMPCT
49.25- 49.75	5	1905	0.26	100.00
48.75- 49.25	4	1900	0.21	99.74
48.25- 48.75	6	1896	0.31	99.53
47.75- 48.25	8	1890	0.42	99.21
47.25- 47.75	13	1882	0.68	98.79
46.75- 47.25	25	1869	1.31	98.11
46.25- 46.75	24	1844	1.26	96.80
45.75- 46.25	30	1820	1.57	95.54
45.25- 45.75	47	1790	2.47	93.96
44.75- 45.25	75	1743	3.94	91.50
44.25- 44.75	81	1668	4.25	87.56
43.75- 44.25	112	1587	5.88	83.31
43.25- 43.75	114	1475	5.98	77.43
42.75- 43.25	154	1361	8.08	71.44
42.25- 42.75	133	1207	6.98	63.36
41.75- 42.25	166	1074	8.71	56.38
41.25- 41.75	160	908	8.40	47.66
40.75- 41.25	158	748	8.29	39.27
40.25- 40.75	142	590	7.45	30.97
39.75- 40.25	128	448	6.72	23.52
39.25- 39.75	79	320	4.15	16.80
38.75- 39.25	81	241	4.25	12.65
38.25- 38.75	58	160	3.04	8.40
37.75- 38.25	51	102	2.68	5.35
37.25- 37.75	21	51	1.10	2.68
36.75- 37.25	15	30	0.79	1.57
36.25- 36.75	6	15	0.31	0.79
35.75- 36.25	6	9	0.31	0.47
35.25- 35.75	1	3	0.05	0.16
34.75- 35.25	1	2	0.05	0.10
34.25- 34.75	0	1	0.00	0.05
33.75- 34.25	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS INCHES

41.98	MEAN VALUE	16.53
0.05	SE(MEAN)	0.02
2.38	SD DEVIATION	0.94
0.04	SE(SD DEV)	0.02

SYMMETRY---	VETA I =	0.22
KURTOSIS---	VETA II =	3.01
COEF. OF VARIATION =		5.7%

NUMBER OF SUBJECTS = 1905

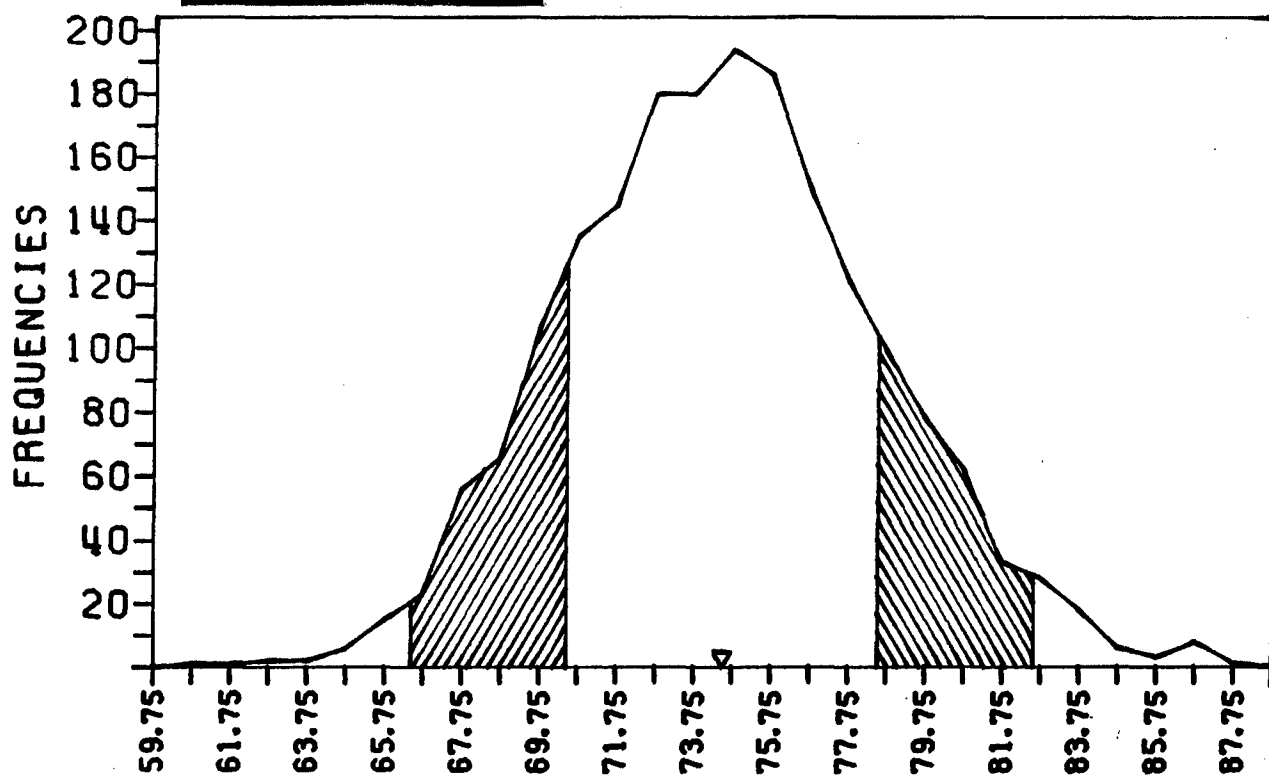
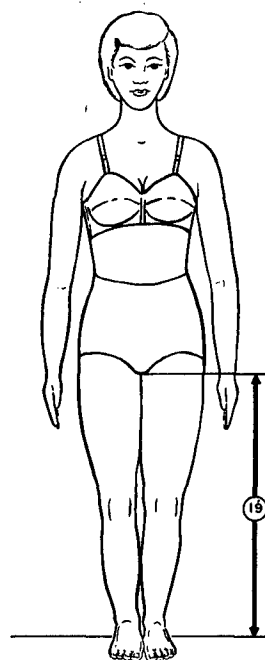
THE PERCENTILES

CENTIMETERS INCHES

48.02	99TH	18.90
47.23	98TH	18.59
46.74	97TH	18.40
46.09	95TH	18.14
45.11	90TH	17.76
44.46	85TH	17.51
43.97	80TH	17.31
43.54	75TH	17.14
43.17	70TH	16.99
42.82	65TH	16.86
42.50	60TH	16.73
42.19	55TH	16.61
41.89	50TH	16.49
41.59	45TH	16.38
41.30	40TH	16.26
40.99	35TH	16.14
40.67	30TH	16.01
40.33	25TH	15.88
39.95	20TH	15.73
39.53	15TH	15.56
39.00	10TH	15.35
38.24	5TH	15.05
37.76	3RD	14.87
37.42	2ND	14.73
36.90	1ST	14.53

(19) CROTCH HEIGHT

Subject stands erect looking straight ahead, heels approximately 10 cm apart, and weight distributed equally on both feet. The measurer holds the anthropometer in front of the subject and requests her to raise the arm of the anthropometer up into the crotch until contact is made. The vertical distance from the standing surface to that level is then recorded.



CENTIMETERS INCHES

74.50 MEAN VALUE 29.33
 0.09 SE(MEAN) 0.04
 4.03 SD DEVIATION 1.59
 0.07 SE(SD DEV) 0.03

SYMMETRY---VETA I = 0.17
 KURTOSIS---VETA II = 3.00
 COEF. OF VARIATION = 5.4%

NUMBER OF SUBJECTS = 1905

THE PERCENTILES

CENTIMETERS INCHES

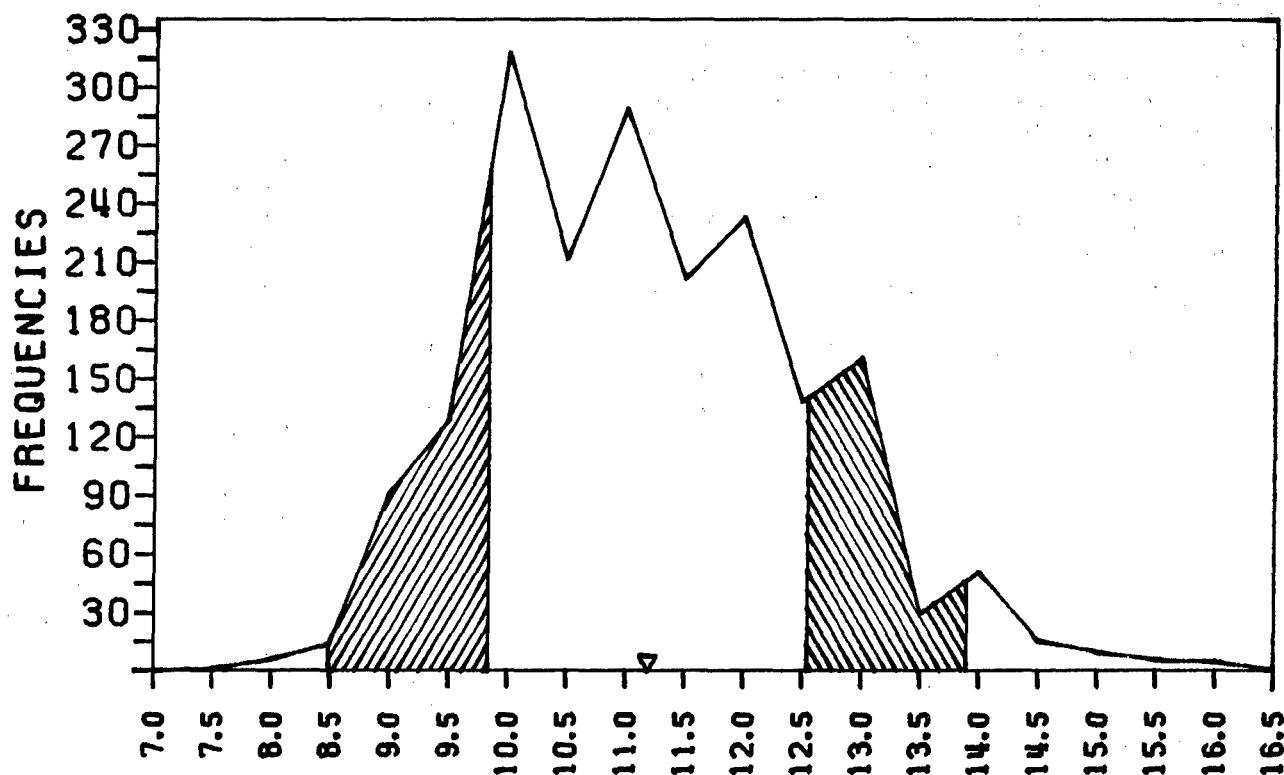
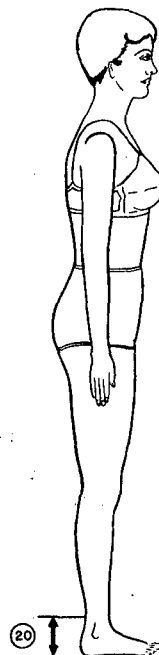
84.25	99TH	33.17
83.13	98TH	32.73
82.39	97TH	32.44
81.38	95TH	32.04
79.81	90TH	31.42
78.75	85TH	31.00
77.91	80TH	30.67
77.19	75TH	30.39
76.55	70TH	30.14
75.96	65TH	29.91
75.41	60TH	29.69
74.89	55TH	29.48
74.37	50TH	29.28
73.86	45TH	29.08
73.35	40TH	28.88
72.83	35TH	28.67
72.28	30TH	28.46
71.70	25TH	28.23
71.07	20TH	27.98
70.34	15TH	27.69
69.44	10TH	27.34
68.13	5TH	26.82
67.30	3RD	26.50
66.70	2ND	26.26
65.75	1ST	25.88

RANGES*	F	CUMF	FPCT	CUMPCT
87.25- 88.25	1	1905	0.05	100.00
86.25- 87.25	8	1904	0.42	99.95
85.25- 86.25	3	1896	0.16	99.53
84.25- 85.25	6	1893	0.31	99.37
83.25- 84.25	18	1887	0.94	99.06
82.25- 83.25	28	1869	1.47	98.11
81.25- 82.25	33	1841	1.73	96.64
80.25- 81.25	62	1808	3.25	94.91
79.25- 80.25	78	1746	4.09	91.65
78.25- 79.25	99	1668	5.20	87.56
77.25- 78.25	121	1569	6.35	82.36
76.25- 77.25	150	1448	7.87	76.01
75.25- 76.25	186	1298	9.76	68.14
74.25- 75.25	194	1112	10.18	58.37
73.25- 74.25	180	918	9.45	48.19
72.25- 73.25	180	738	9.45	38.74
71.25- 72.25	145	558	7.61	29.29
70.25- 71.25	135	413	7.09	21.68
69.25- 70.25	106	278	5.56	14.59
68.25- 69.25	66	172	3.46	9.03
67.25- 68.25	56	106	2.94	5.56
66.25- 67.25	23	50	1.21	2.62
65.25- 66.25	15	27	0.79	1.42
64.25- 65.25	6	12	0.31	0.63
63.25- 64.25	2	6	0.10	0.31
62.25- 63.25	2	4	0.10	0.21
61.25- 62.25	1	2	0.05	0.10
60.25- 61.25	1	1	0.05	0.05

*IN CENTIMETERS

(20) ANKLE HEIGHT

Subject stands with weight distributed equally on both feet. With the special measuring block, measure the vertical distance from the standing surface to the ankle landmark on the right leg.



CENTIMETERS INCHES

11.19 MEAN VALUE 4.40
0.03 SE(MEAN) 0.01
1.35 SD DEVIATION 0.53
0.02 SE(SD DEV) 0.01

SYMMETRY---VETA I = 0.43
KURTOSIS---VETA II = 2.96
COEF. OF VARIATION = 12.1%

NUMBER OF SUBJECTS = 1905

THE PERCENTILES

CENTIMETERS INCHES

14.67 99TH 5.77
14.26 98TH 5.61
13.99 97TH 5.51
13.62 95TH 5.36
13.04 90TH 5.14
12.66 85TH 4.98
12.35 80TH 4.86
12.09 75TH 4.76
11.86 70TH 4.67
11.65 65TH 4.59
11.45 60TH 4.51
11.26 55TH 4.43
11.08 50TH 4.36
10.90 45TH 4.29
10.73 40TH 4.22
10.55 35TH 4.15
10.37 30TH 4.08
10.18 25TH 4.01
9.97 20TH 3.93
9.75 15TH 3.84
9.49 10TH 3.74
9.15 5TH 3.60
8.97 3RD 3.53
8.85 2ND 3.48
8.69 1ST 3.42

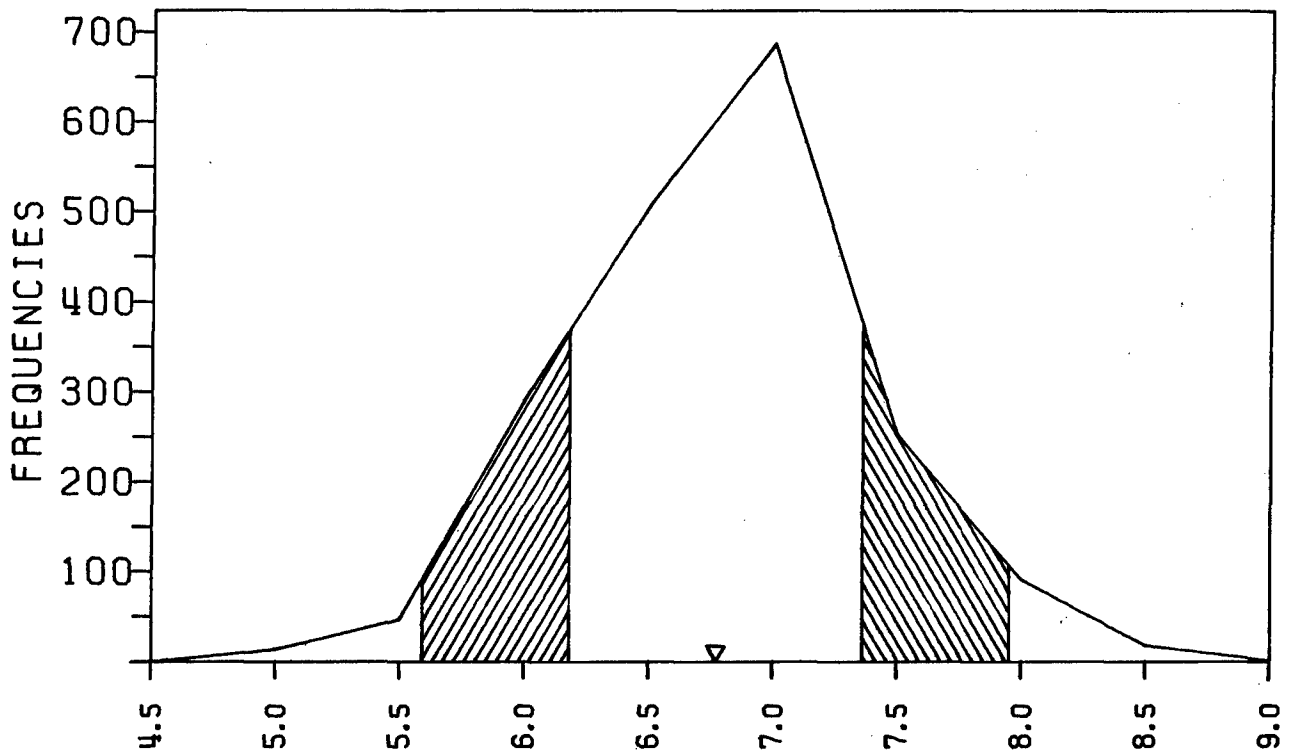
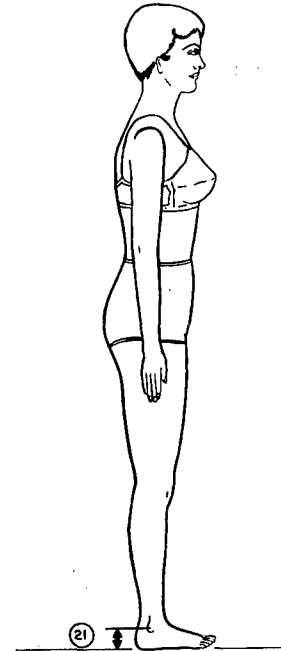
RANGES* F CUMF FPCT CUMPT

15.75- 16.25 4 1905 0.21 100.00
15.25- 15.75 5 1901 0.26 99.79
14.75- 15.25 9 1896 0.47 99.53
14.25- 14.75 15 1887 0.79 99.06
13.75- 14.25 51 1872 2.68 98.27
13.25- 13.75 29 1821 1.52 95.59
12.75- 13.25 161 1792 8.45 94.07
12.25- 12.75 138 1631 7.24 85.62
11.75- 12.25 233 1493 12.23 78.37
11.25- 11.75 201 1260 10.55 66.14
10.75- 11.25 289 1059 15.17 55.59
10.25- 10.75 211 770 11.08 40.42
9.75- 10.25 318 559 16.69 29.34
9.25- 9.75 129 241 6.77 12.65
8.75- 9.25 91 112 4.78 5.88
8.25- 8.75 14 21 0.73 1.10
7.75- 8.25 6 7 0.31 0.37
7.25- 7.75 1 1 0.05 0.05

*IN CENTIMETERS

(21) LATERAL MALLEOLUS HEIGHT

Subject stands with weight distributed equally on both feet. With the special measuring block, measure the vertical distance from the standing surface to the lateral malleolus landmark on the right leg.



CENTIMETERS

INCHES

6.77	MEAN VALUE	2.67
0.01	SE (MEAN)	0.01
0.59	SD DEVIATION	0.23
0.01	SE (SD DEV)	0.00

SYMMETRY---	VETA I =	0.04
KURTOSIS---	VETA II =	3.23
COEF. OF VARIATION =		8.7%

NUMBER OF SUBJECTS = 1905

THE PERCENTILES

CENTIMETERS

INCHES

8.28	99TH	3.26
8.10	98TH	3.19
7.98	97TH	3.14
7.82	95TH	3.08
7.58	90TH	2.99
7.42	85TH	2.92
7.30	80TH	2.87
7.19	75TH	2.83
7.10	70TH	2.80
7.02	65TH	2.76
6.94	60TH	2.73
6.86	55TH	2.70
6.78	50TH	2.67
6.71	45TH	2.64
6.63	40TH	2.61
6.56	35TH	2.58
6.48	30TH	2.55
6.39	25TH	2.51
6.29	20TH	2.48
6.17	15TH	2.43
6.02	10TH	2.37
5.80	5TH	2.28
5.64	3RD	2.22
5.52	2ND	2.17
5.32	1ST	2.09

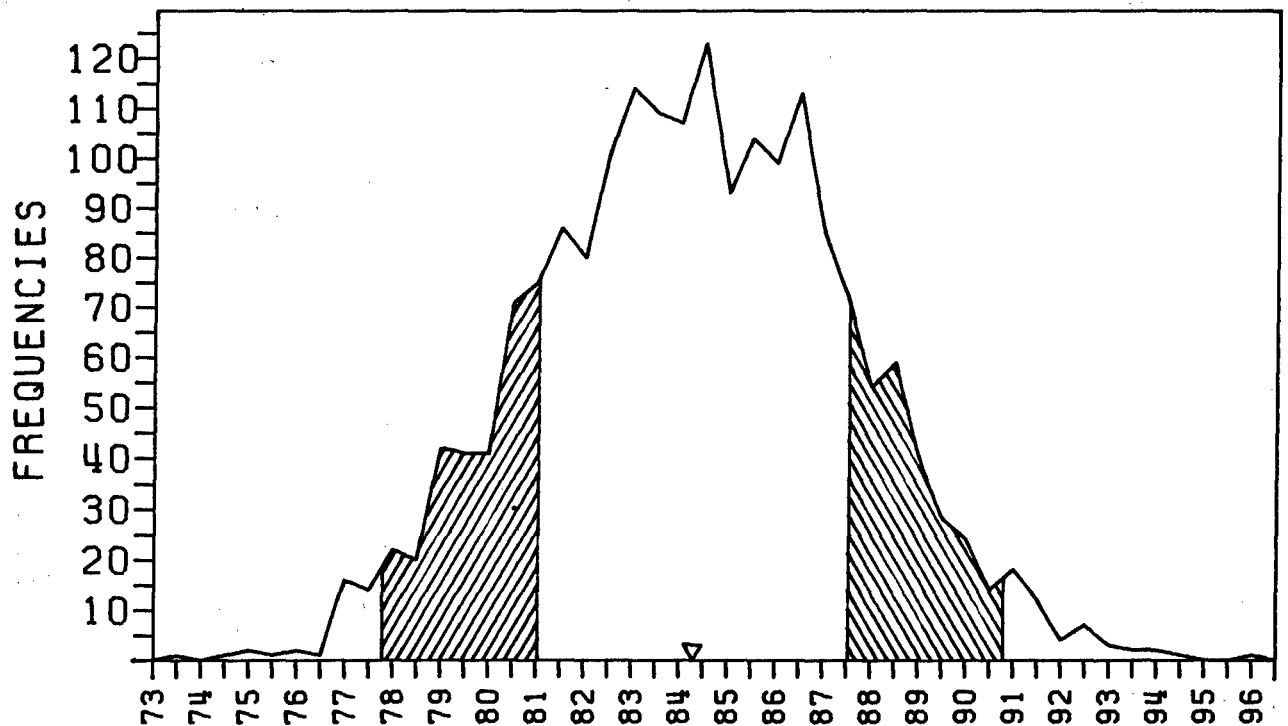
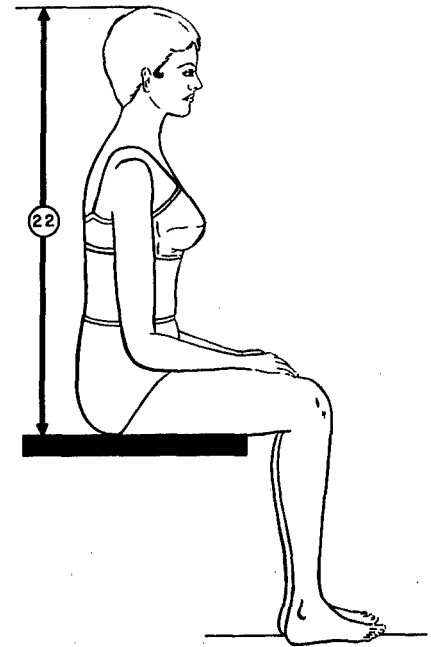
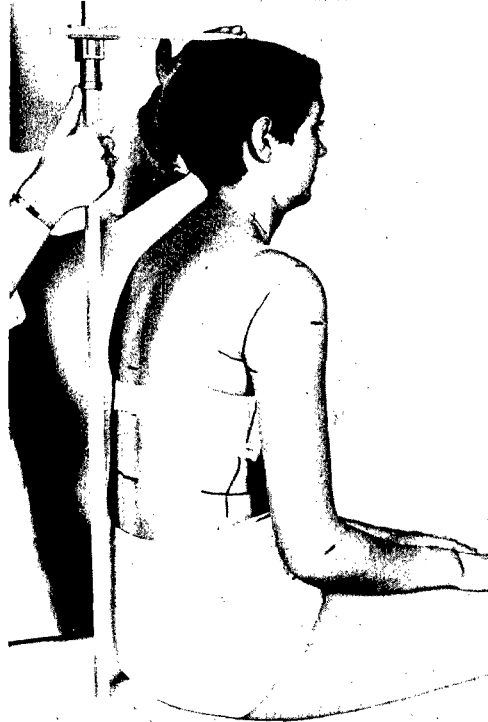
RANGES* F CUMF FPCT CUMPCT

8.25-	8.75	17	1905	0.89	100.00
7.75-	8.25	90	1888	4.72	99.11
7.25-	7.75	252	1798	13.23	94.38
6.75-	7.25	687	1546	36.06	81.15
6.25-	6.75	507	859	26.61	45.09
5.75-	6.25	291	352	15.28	18.48
5.25-	5.75	47	61	2.47	3.20
4.75-	5.25	14	14	0.73	0.73

*IN CENTIMETERS

(22) SITTING HEIGHT, RELAXED

Subject sits relaxed with head in the Frankfort plane. With the arm of the anthropometer firmly touching the scalp, measure the vertical distance from the sitting surface to the top of the head.



RANGES*	F	CUMF	FPCT	CUMPCT
95.75- 96.25	1	1905	0.05	100.00
95.25- 95.75	0	1904	0.00	99.95
94.75- 95.25	0	1904	0.00	99.95
94.25- 94.75	1	1904	0.05	99.95
93.75- 94.25	2	1903	0.10	99.90
93.25- 93.75	2	1901	0.10	99.79
92.75- 93.25	3	1899	0.16	99.69
92.25- 92.75	7	1896	0.37	99.53
91.75- 92.25	4	1889	0.21	99.16
91.25- 91.75	12	1885	0.63	98.95
90.75- 91.25	18	1873	0.94	98.32
90.25- 90.75	14	1855	0.73	97.38
89.75- 90.25	24	1841	1.26	96.64
89.25- 89.75	28	1817	1.47	95.38
88.75- 89.25	40	1789	2.10	93.91
88.25- 88.75	59	1749	3.10	91.81
87.75- 88.25	54	1690	2.83	88.71
87.25- 87.75	72	1636	3.78	85.88
86.75- 87.25	85	1564	4.46	82.10
86.25- 86.75	113	1479	5.93	77.64
85.75- 86.25	99	1366	5.20	71.71
85.25- 85.75	104	1267	5.46	66.51
84.75- 85.25	93	1163	4.88	61.05
84.25- 84.75	123	1070	6.46	56.17
83.75- 84.25	107	947	5.62	49.71
83.25- 83.75	109	840	5.72	44.09
82.75- 83.25	114	731	5.98	38.37
82.25- 82.75	101	617	5.30	32.39
81.75- 82.25	80	516	4.20	27.09
81.25- 81.75	86	436	4.51	22.89
80.75- 81.25	75	350	3.94	18.37
80.25- 80.75	71	275	3.73	14.44
79.75- 80.25	41	204	2.15	10.71
79.25- 79.75	41	163	2.15	8.56
78.75- 79.25	42	122	2.20	6.40
78.25- 78.75	20	80	1.05	4.20
77.75- 78.25	22	60	1.15	3.15
77.25- 77.75	14	38	0.73	1.99
76.75- 77.25	16	24	0.84	1.26
76.25- 76.75	1	8	0.05	0.42
75.75- 76.25	2	7	0.10	0.37
75.25- 75.75	1	5	0.05	0.26
74.75- 75.25	2	4	0.10	0.21
74.25- 74.75	1	2	0.05	0.10
73.75- 74.25	0	1	0.00	0.05
73.25- 73.75	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS INCHES

84.28 MEAN VALUE 33.18
0.07 SE(MEAN) 0.03
3.25 SD DEVIATION 1.28
0.05 SE(SD DEV) 0.02

SYMMETRY---VETA I = 0.05
KURTOSIS---VETA II = 2.87
COEF. OF VARIATION = 3.9%

NUMBER OF SUBJECTS = 1905

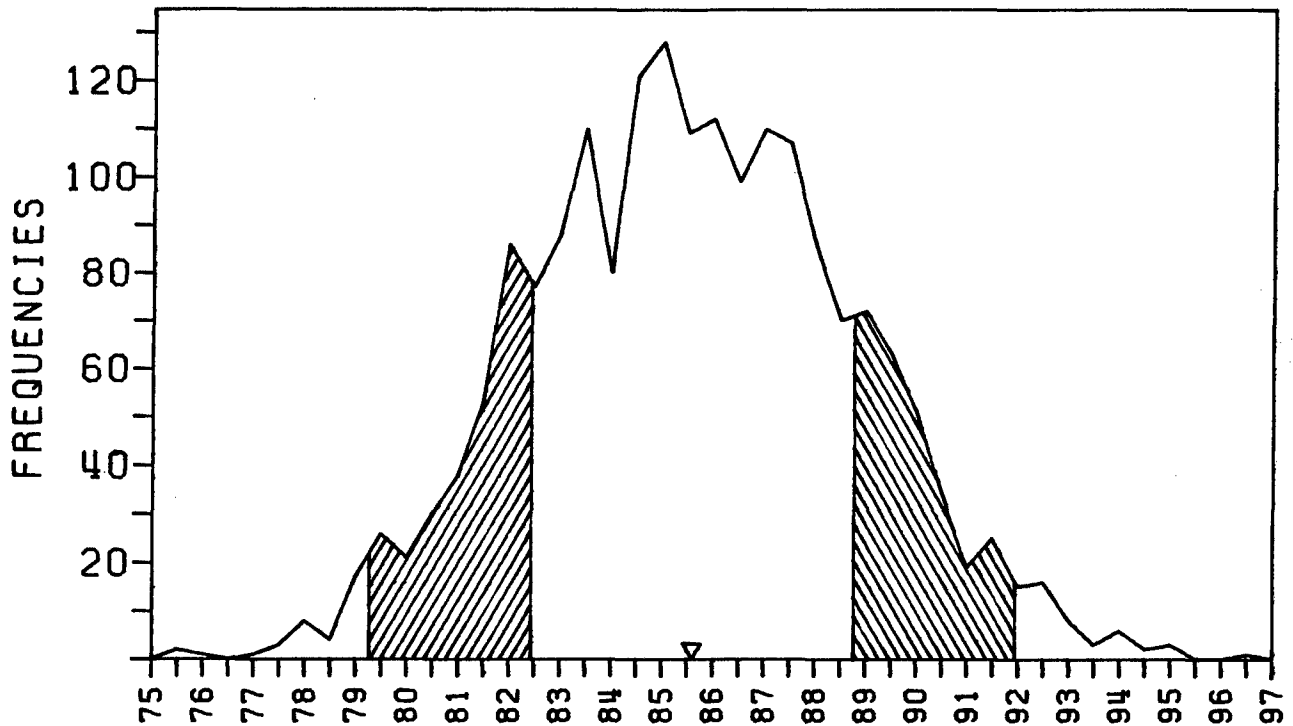
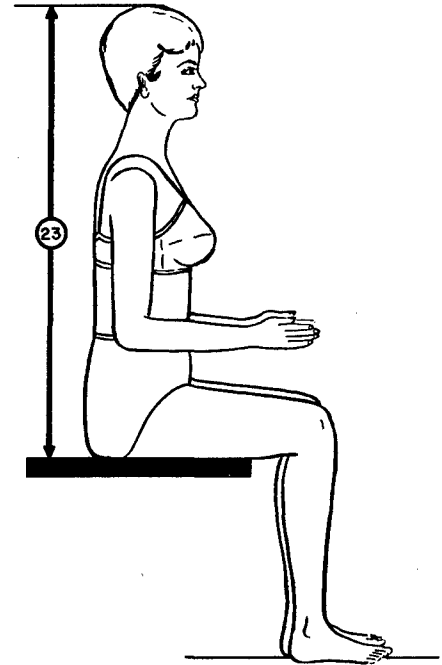
THE PERCENTILES

CENTIMETERS INCHES

91.92	99TH	36.19
91.01	98TH	35.83
90.44	97TH	35.61
89.67	95TH	35.30
88.49	90TH	34.84
87.69	85TH	34.52
87.06	80TH	34.27
86.51	75TH	34.06
86.01	70TH	33.86
85.55	65TH	33.68
85.12	60TH	33.51
84.69	55TH	33.34
84.27	50TH	33.18
83.85	45TH	33.01
83.42	40TH	32.84
82.98	35TH	32.67
82.51	30TH	32.49
82.01	25TH	32.29
81.46	20TH	32.07
80.82	15TH	31.82
80.03	10TH	31.51
78.91	5TH	31.07
78.23	3RD	30.80
77.76	2ND	30.61
77.08	1ST	30.35

(23) SITTING HEIGHT

Subject sits erect, head in the Frankfort plane, upper arms hanging relaxed, forearms and hands extended forward horizontally. With the anthropometer arm firmly touching the scalp, measure the vertical distance from the sitting surface to the top of the head.



RANGES*	F	CUMF	FPCT	CUMPCT
96.25- 96.75	1	1905	0.05	100.00
95.75- 96.25	0	1904	0.00	99.95
95.25- 95.75	0	1904	0.00	99.95
94.75- 95.25	3	1904	0.16	99.95
94.25- 94.75	2	1901	0.10	99.79
93.75- 94.25	6	1899	0.31	99.69
93.25- 93.75	3	1893	0.16	99.37
92.75- 93.25	8	1890	0.42	99.21
92.25- 92.75	16	1882	0.84	98.79
91.75- 92.25	15	1866	0.79	97.95
91.25- 91.75	25	1851	1.31	97.17
90.75- 91.25	19	1826	1.00	95.85
90.25- 90.75	34	1807	1.78	94.86
89.75- 90.25	51	1773	2.68	93.07
89.25- 89.75	63	1722	3.31	90.39
88.75- 89.25	72	1659	3.78	87.09
88.25- 88.75	70	1587	3.67	83.31
87.75- 88.25	86	1517	4.51	79.63
87.25- 87.75	107	1431	5.62	75.12
86.75- 87.25	110	1324	5.77	69.50
86.25- 86.75	99	1214	5.20	63.73
85.75- 86.25	112	1115	5.88	58.53
85.25- 85.75	109	1003	5.72	52.65
84.75- 85.25	128	894	6.72	46.93
84.25- 84.75	121	766	6.35	40.21
83.75- 84.25	80	645	4.20	33.86
83.25- 83.75	110	565	5.77	29.66
82.75- 83.25	88	455	4.62	23.88
82.25- 82.75	77	367	4.04	19.27
81.75- 82.25	86	290	4.51	15.22
81.25- 81.75	53	204	2.78	10.71
80.75- 81.25	38	151	1.99	7.93
80.25- 80.75	30	113	1.57	5.93
79.75- 80.25	21	83	1.10	4.36
79.25- 79.75	26	62	1.36	3.25
78.75- 79.25	17	36	0.89	1.89
78.25- 78.75	4	19	0.21	1.00
77.75- 78.25	8	15	0.42	0.79
77.25- 77.75	3	7	0.16	0.37
76.75- 77.25	1	4	0.05	0.21
76.25- 76.75	0	3	0.00	0.16
75.75- 76.25	1	3	0.05	0.16
75.25- 75.75	2	2	0.10	0.10

*IN CENTIMETERS

CENTIMETERS INCHES

85.60 MEAN VALUE 33.70
0.07 SE(MEAN) 0.03
3.17 SD DEVIATION 1.25
0.05 SE(SD DEV) 0.02

SYMMETRY---VETA I = 0.08
KURTOSIS---VETA II = 2.85
COEF. OF VARIATION = 3.7%

NUMBER OF SUBJECTS = 1905

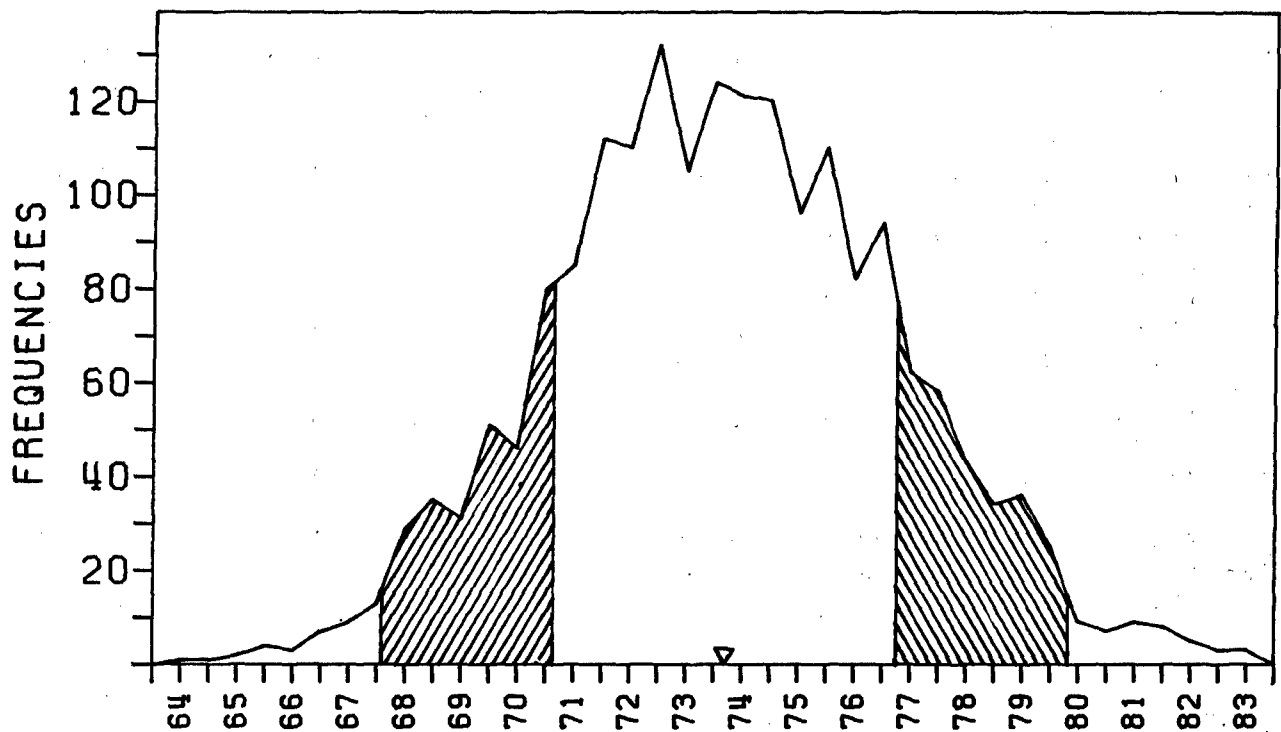
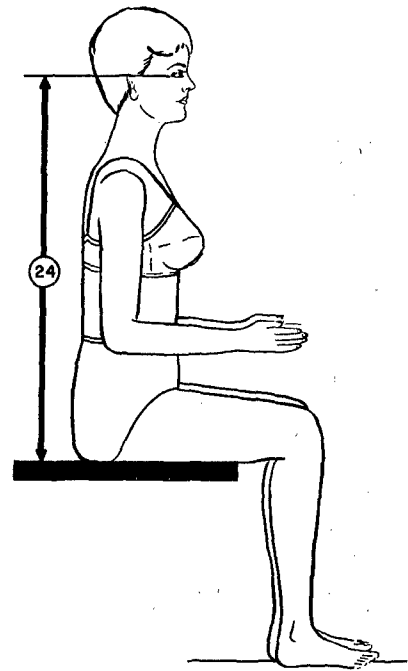
THE PERCENTILES

CENTIMETERS INCHES

93.05	99TH	36.63
92.19	98TH	36.30
91.64	97TH	36.08
90.89	95TH	35.79
89.73	90TH	35.33
88.94	85TH	35.01
88.31	80TH	34.77
87.76	75TH	34.55
87.27	70TH	34.36
86.81	65TH	34.18
86.38	60TH	34.01
85.96	55TH	33.84
85.55	50TH	33.68
85.14	45TH	33.52
84.72	40TH	33.36
84.30	35TH	33.19
83.85	30TH	33.01
83.37	25TH	32.82
82.83	20TH	32.61
82.23	15TH	32.37
81.48	10TH	32.08
80.43	5TH	31.66
79.78	3RD	31.41
79.34	2ND	31.24
78.69	1ST	30.98

(24) EYE HEIGHT, SITTING

Subject sits erect, head in the Frankfort plane, upper arms hanging relaxed, forearms and hands extended forward horizontally. With an anthropometer, measure the vertical distance from the sitting surface to the right ectocanthus.



RANGES*	F	CUMF	FPCT	CUMPCT
82.75- 83.25	3	1905	0.16	100.00
82.25- 82.75	3	1902	0.16	99.84
81.75- 82.25	5	1899	0.26	99.69
81.25- 81.75	8	1894	0.42	99.42
80.75- 81.25	9	1886	0.47	99.00
80.25- 80.75	7	1877	0.37	98.53
79.75- 80.25	9	1870	0.47	98.16
79.25- 79.75	25	1861	1.31	97.69
78.75- 79.25	36	1836	1.89	96.38
78.25- 78.75	34	1800	1.78	94.49
77.75- 78.25	43	1766	2.26	92.70
77.25- 77.75	58	1723	3.04	90.45
76.75- 77.25	62	1665	3.25	87.40
76.25- 76.75	94	1603	4.93	84.15
75.75- 76.25	82	1509	4.30	79.21
75.25- 75.75	110	1427	5.77	74.91
74.75- 75.25	96	1317	5.04	69.13
74.25- 74.75	120	1221	6.30	64.09
73.75- 74.25	121	1101	6.35	57.80
73.25- 73.75	124	980	6.51	51.44
72.75- 73.25	105	856	5.51	44.93
72.25- 72.75	132	751	6.93	39.42
71.75- 72.25	110	619	5.77	32.49
71.25- 71.75	112	509	5.88	26.72
70.75- 71.25	85	397	4.46	20.84
70.25- 70.75	80	312	4.20	16.38
69.75- 70.25	46	232	2.41	12.18
69.25- 69.75	51	186	2.68	9.76
68.75- 69.25	31	135	1.63	7.09
68.25- 68.75	35	104	1.84	5.46
67.75- 68.25	29	69	1.52	3.62
67.25- 67.75	13	40	0.68	2.10
66.75- 67.25	9	27	0.47	1.42
66.25- 66.75	7	18	0.37	0.94
65.75- 66.25	3	11	0.16	0.58
65.25- 65.75	4	8	0.21	0.42
64.75- 65.25	2	4	0.10	0.21
64.25- 64.75	1	2	0.05	0.10
63.75- 64.25	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS INCHES

73.70	MEAN VALUE	29.02
0.07	SE(MEAN)	0.03
3.06	SD DEVIATION	1.20
0.05	SE(SD DEV)	0.02

SYMMETRY---	VETA I =	0.09
KURTOSIS---	VETA II =	2.92
COEF. OF VARIATION	=	4.1%

NUMBER OF SUBJECTS = 1905

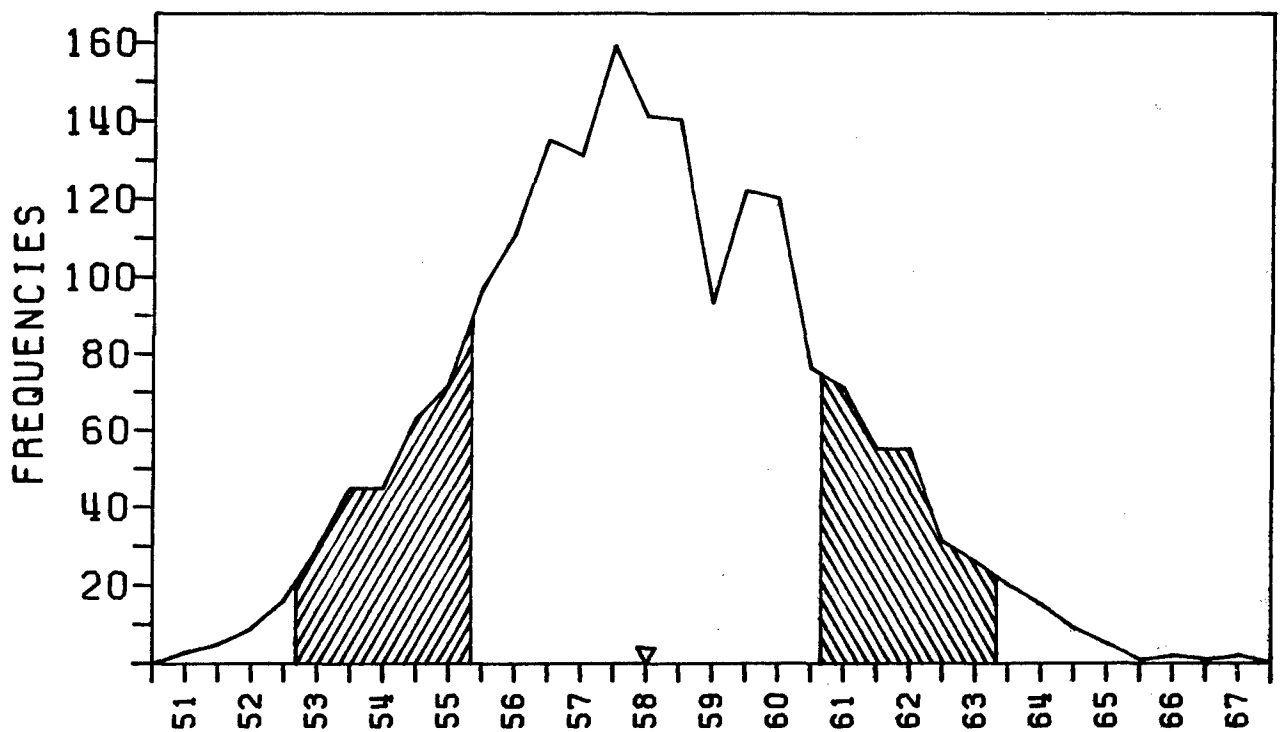
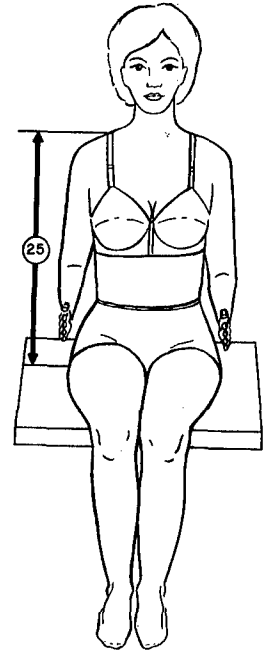
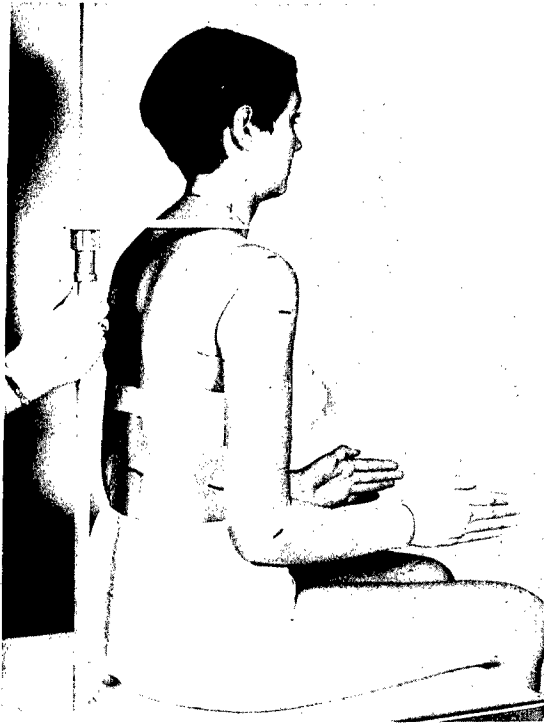
THE PERCENTILES

CENTIMETERS INCHES

81.14	99TH	31.95
80.19	98TH	31.57
79.60	97TH	31.34
78.82	95TH	31.03
77.65	90TH	30.57
76.87	85TH	30.26
76.26	80TH	30.02
75.74	75TH	29.82
75.27	70TH	29.64
74.84	65TH	29.47
74.44	60TH	29.31
74.05	55TH	29.15
73.66	50TH	29.00
73.27	45TH	28.85
72.88	40TH	28.69
72.48	35TH	28.54
72.06	30TH	28.37
71.60	25TH	28.19
71.09	20TH	27.99
70.51	15TH	27.76
69.78	10TH	27.47
68.72	5TH	27.06
68.05	3RD	26.79
67.58	2ND	26.61
66.85	1ST	26.32

(25) MIDSHOULDER HEIGHT, SITTING

Subject sits erect looking straight ahead, upper arms hanging relaxed, forearms and hands extended forward horizontally. With an anthropometer, measure the vertical distance from the sitting surface to the right midshoulder landmark.



RANGES*	F	CUMF	FPCT	CUMPCT
66.75- 67.25	2	1905	0.10	100.00
66.25- 66.75	1	1903	0.05	99.90
65.75- 66.25	2	1902	0.10	99.84
65.25- 65.75	1	1900	0.05	99.74
64.75- 65.25	5	1899	0.26	99.69
64.25- 64.75	9	1894	0.47	99.42
63.75- 64.25	15	1885	0.79	98.95
63.25- 63.75	20	1870	1.05	98.16
62.75- 63.25	26	1850	1.36	97.11
62.25- 62.75	31	1824	1.63	95.75
61.75- 62.25	55	1793	2.89	94.12
61.25- 61.75	55	1738	2.89	91.23
60.75- 61.25	71	1683	3.73	88.35
60.25- 60.75	76	1612	3.99	84.62
59.75- 60.25	120	1536	6.30	80.63
59.25- 59.75	122	1416	6.40	74.33
58.75- 59.25	93	1294	4.88	67.93
58.25- 58.75	140	1201	7.35	63.04
57.75- 58.25	141	1061	7.40	55.70
57.25- 57.75	159	920	8.35	48.29
56.75- 57.25	131	761	6.88	39.95
56.25- 56.75	135	630	7.09	33.07
55.75- 56.25	111	495	5.83	25.98
55.25- 55.75	97	384	5.09	20.16
54.75- 55.25	72	287	3.78	15.07
54.25- 54.75	63	215	3.31	11.29
53.75- 54.25	45	152	2.36	7.98
53.25- 53.75	45	107	2.36	5.62
52.75- 53.25	29	62	1.52	3.25
52.25- 52.75	16	33	0.84	1.73
51.75- 52.25	9	17	0.47	0.89
51.25- 51.75	5	8	0.26	0.42
50.75- 51.25	3	3	0.16	0.16

*IN CENTIMETERS

CENTIMETERS INCHES

58.00 MEAN VALUE 22.83
0.06 SE(MEAN) 0.02
2.66 SD DEVIATION 1.05
0.04 SE(SD DEV) 0.02

SYMMETRY---VETA I = 0.17
KURTOSIS---VETA II = 2.84
COEF. OF VARIATION = 4.6%

NUMBER OF SUBJECTS = 1905

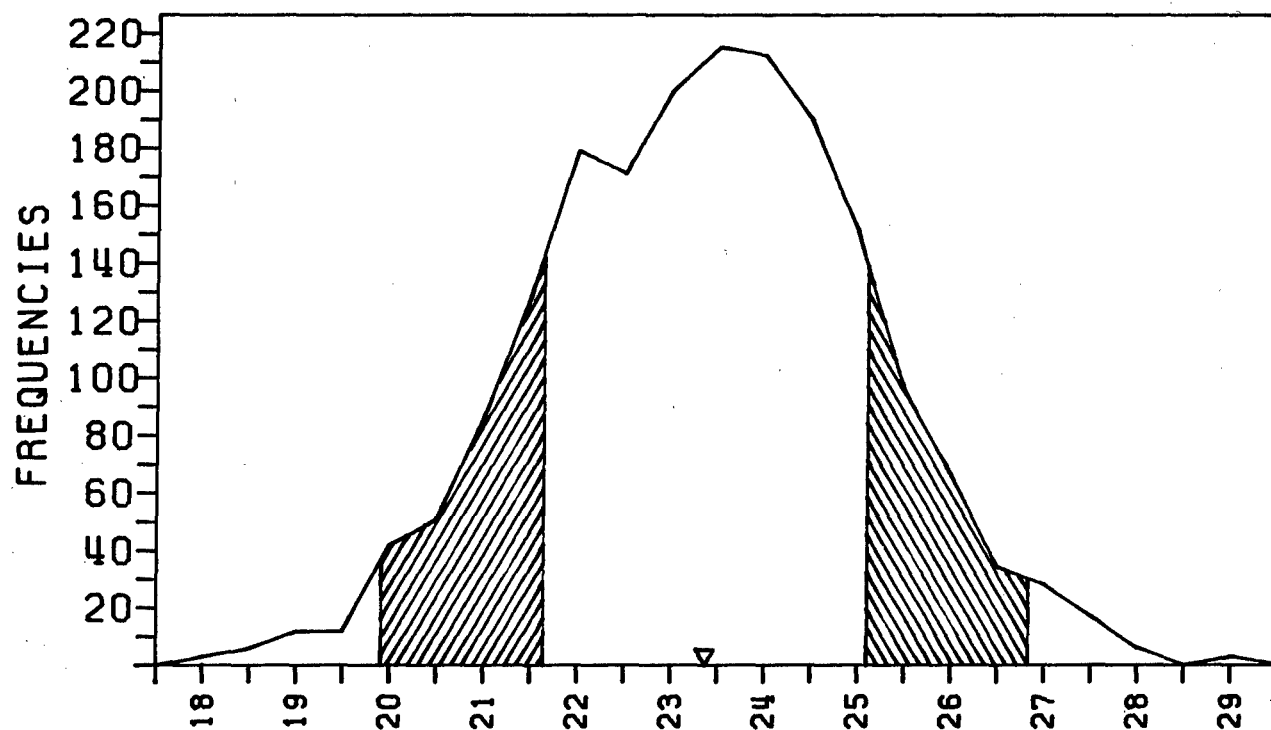
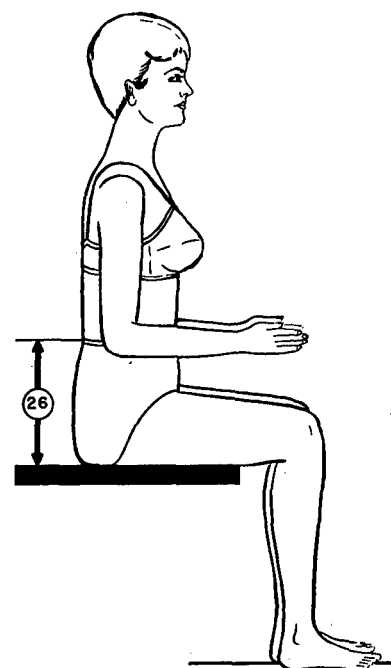
THE PERCENTILES

CENTIMETERS INCHES

64.36	99TH	25.34
63.63	98TH	25.05
63.17	97TH	24.87
62.52	95TH	24.61
61.50	90TH	24.21
60.81	85TH	23.94
60.26	80TH	23.73
59.79	75TH	23.54
59.37	70TH	23.37
58.98	65TH	23.22
58.61	60TH	23.07
58.26	55TH	22.94
57.91	50TH	22.80
57.56	45TH	22.66
57.22	40TH	22.53
56.87	35TH	22.39
56.50	30TH	22.24
56.11	25TH	22.09
55.67	20TH	21.92
55.19	15TH	21.73
54.58	10TH	21.49
53.73	5TH	21.15
53.20	3RD	20.95
52.83	2ND	20.80
52.27	1ST	20.58

(26) WAIST HEIGHT, SITTING

Subject sits erect looking straight ahead, upper arms hanging relaxed, forearms and hands extended forward horizontally. With an anthropometer, measure the vertical distance from the sitting surface to the right lateral-waist landmark.



CENTIMETERS

INCHES

23.37 MEAN VALUE 9.20
 0.04 SE(MEAN) 0.02
 1.73 SD DEVIATION 0.68
 0.03 SE(SD DEV) 0.01

SYMMETRY---VETA I = -0.01
 KURTOSIS---VETA II = 2.98
 COEF. OF VARIATION = 7.4%

NUMBER OF SUBJECTS = 1905

THE PERCENTILES

CENTIMETERS

INCHES

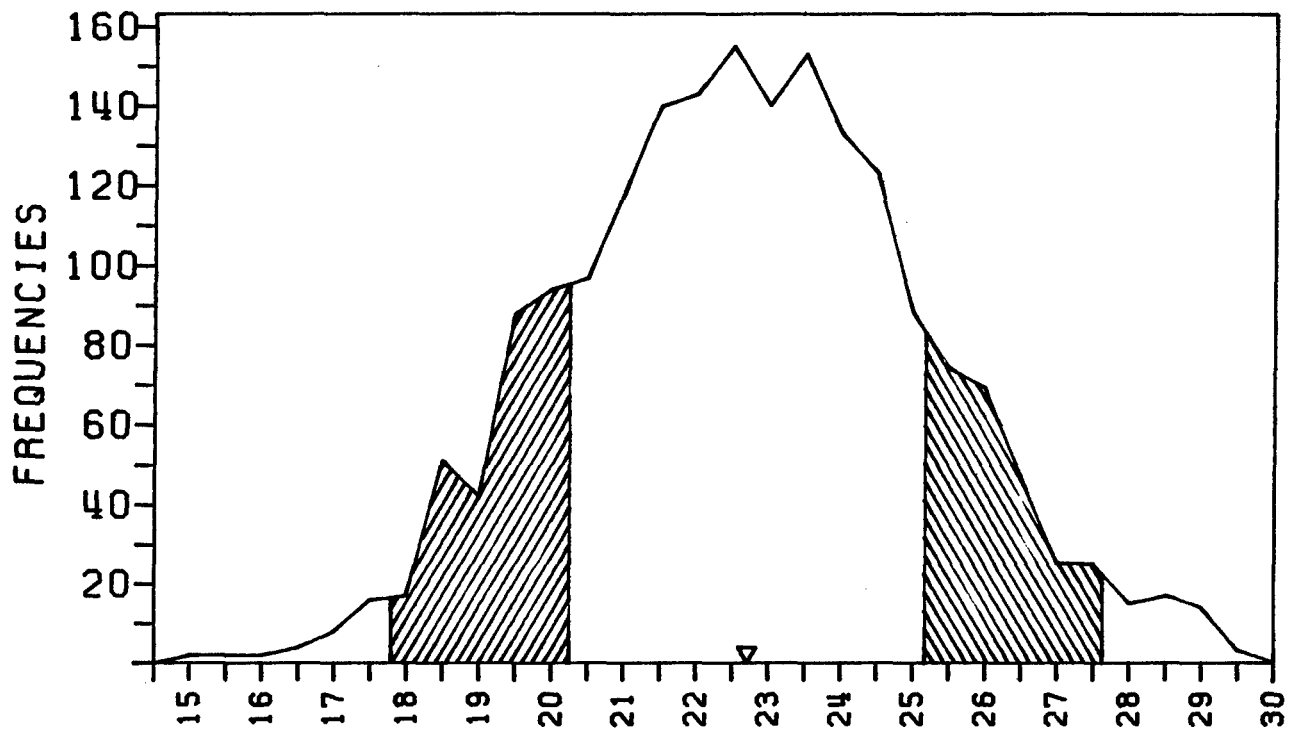
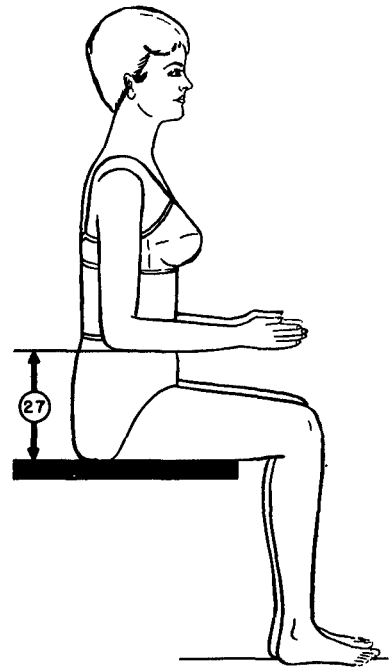
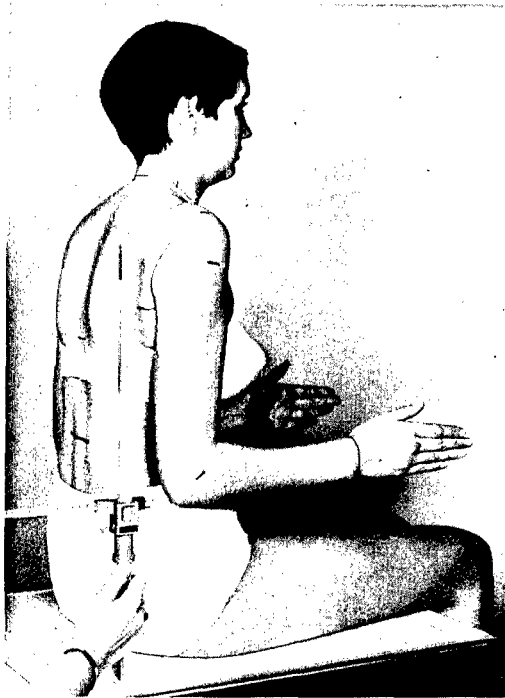
27.48	99TH	10.82
26.98	98TH	10.62
26.66	97TH	10.50
26.24	95TH	10.33
25.60	90TH	10.08
25.17	85TH	9.91
24.83	80TH	9.77
24.54	75TH	9.66
24.28	70TH	9.56
24.03	65TH	9.46
23.81	60TH	9.37
23.58	55TH	9.29
23.37	50TH	9.20
23.15	45TH	9.11
22.92	40TH	9.03
22.69	35TH	8.93
22.45	30TH	8.84
22.19	25TH	8.73
21.89	20TH	8.62
21.55	15TH	8.48
21.11	10TH	8.31
20.46	5TH	8.05
20.03	3RD	7.89
19.72	2ND	7.76
19.23	1ST	7.57

RANGES*	F	CUMF	FPCT	CUMPCT
28.75- 29.25	3	1905	0.16	100.00
28.25- 28.75	0	1902	0.00	99.84
27.75- 28.25	6	1902	0.31	99.84
27.25- 27.75	17	1896	0.89	99.53
26.75- 27.25	28	1879	1.47	98.64
26.25- 26.75	34	1851	1.78	97.17
25.75- 26.25	66	1817	3.46	95.38
25.25- 25.75	95	1751	4.99	91.92
24.75- 25.25	150	1656	7.87	86.93
24.25- 24.75	189	1506	9.92	79.06
23.75- 24.25	212	1317	11.13	69.13
23.25- 23.75	215	1105	11.29	58.01
22.75- 23.25	200	890	10.50	46.72
22.25- 22.75	171	690	8.98	36.22
21.75- 22.25	179	519	9.40	27.24
21.25- 21.75	128	340	6.72	17.85
20.75- 21.25	86	212	4.51	11.13
20.25- 20.75	51	126	2.68	6.61
19.75- 20.25	42	75	2.20	3.94
19.25- 19.75	12	33	0.63	1.73
18.75- 19.25	12	21	0.63	1.10
18.25- 18.75	6	9	0.31	0.47
17.75- 18.25	3	3	0.16	0.16

*IN CENTIMETERS

(27) ELBOW REST HEIGHT

Subject sits erect looking straight ahead, upper arms hanging relaxed, forearms and hands extended forward horizontally. With an anthropometer, measure the vertical distance from the sitting surface to the bottom of the right elbow.



RANGES*	F	CUMF	FPCT	CUMPCT
29.25- 29.75	3	1905	0.16	100.00
28.75- 29.25	14	1902	0.73	99.84
28.25- 28.75	17	1888	0.89	99.11
27.75- 28.25	15	1871	0.79	98.22
27.25- 27.75	25	1856	1.31	97.43
26.75- 27.25	25	1831	1.31	96.12
26.25- 26.75	47	1806	2.47	94.80
25.75- 26.25	69	1759	3.62	92.34
25.25- 25.75	74	1690	3.88	88.71
24.75- 25.25	88	1616	4.62	84.83
24.25- 24.75	123	1528	6.46	80.21
23.75- 24.25	133	1405	6.98	73.75
23.25- 23.75	153	1272	8.03	66.77
22.75- 23.25	140	1119	7.35	58.74
22.25- 22.75	155	979	8.14	51.39
21.75- 22.25	143	824	7.51	43.25
21.25- 21.75	140	681	7.35	35.75
20.75- 21.25	118	541	6.19	28.40
20.25- 20.75	97	423	5.09	22.20
19.75- 20.25	94	326	4.93	17.11
19.25- 19.75	88	232	4.62	12.18
18.75- 19.25	42	144	2.20	7.56
18.25- 18.75	51	102	2.68	5.35
17.75- 18.25	17	51	0.89	2.68
17.25- 17.75	16	34	0.84	1.78
16.75- 17.25	8	18	0.42	0.94
16.25- 16.75	4	10	0.21	0.52
15.75- 16.25	2	6	0.10	0.31
15.25- 15.75	2	4	0.10	0.21
14.75- 15.25	2	2	0.10	0.10

*IN CENTIMETERS

CENTIMETERS

INCHES

22.71 MEAN VALUE 8.94
0.06 SE(MEAN) 0.02
2.46 SD DEVIATION 0.97
0.04 SE(SD DEV) 0.02

SYMMETRY---VETA I = 0.08
KURTOSIS---VETA II = 2.82
COEF. OF VARIATION = 10.8%

NUMBER OF SUBJECTS = 1905

THE PERCENTILES

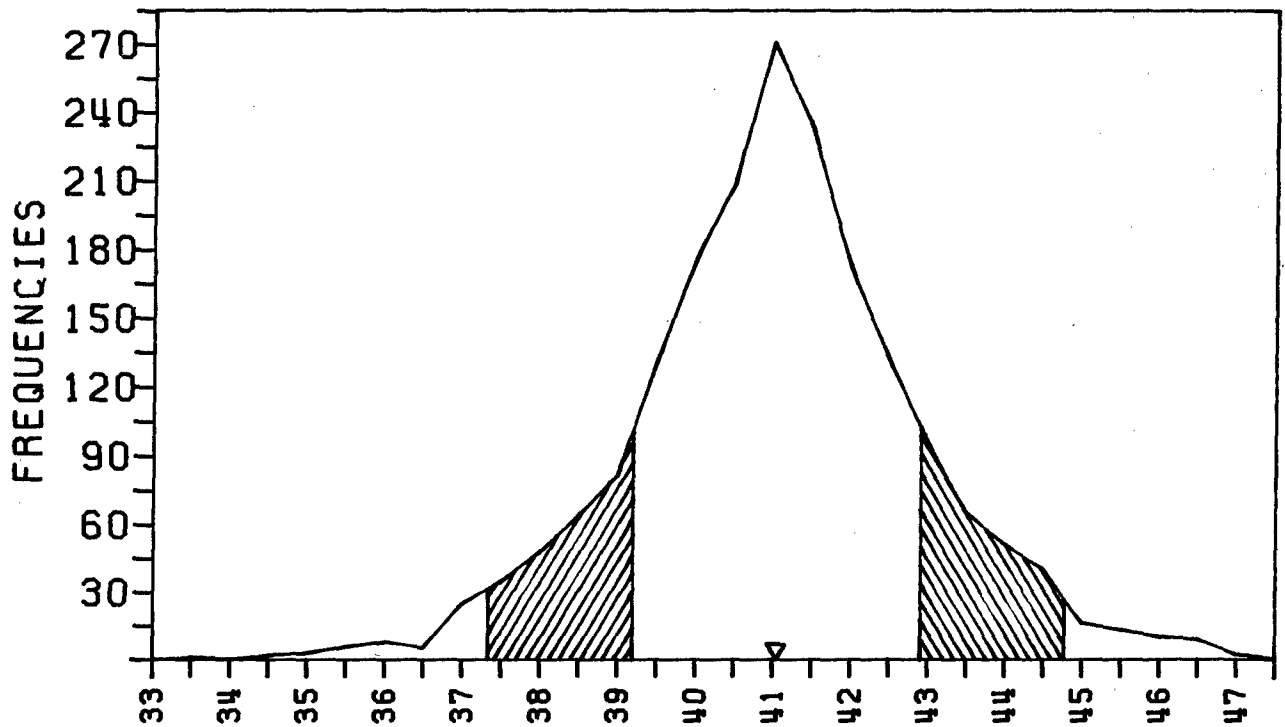
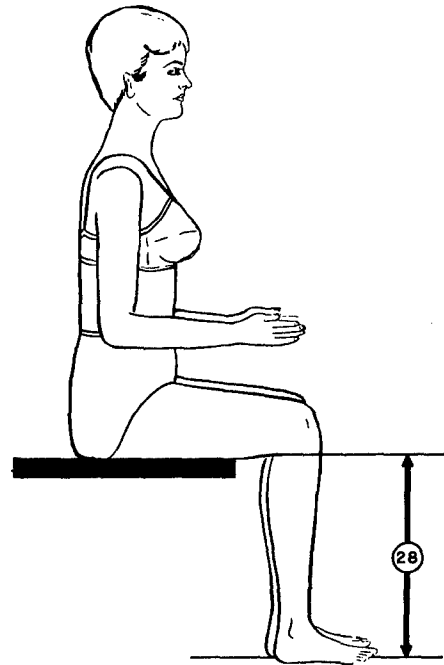
CENTIMETERS

INCHES

28.76	99TH	11.32
28.00	98TH	11.02
27.53	97TH	10.84
26.90	95TH	10.59
25.94	90TH	10.21
25.30	85TH	9.96
24.79	80TH	9.76
24.36	75TH	9.59
23.98	70TH	9.44
23.62	65TH	9.30
23.29	60TH	9.17
22.97	55TH	9.04
22.65	50TH	8.92
22.33	45TH	8.79
22.01	40TH	8.67
21.69	35TH	8.54
21.35	30TH	8.40
20.98	25TH	8.26
20.57	20TH	8.10
20.11	15TH	7.92
19.53	10TH	7.69
18.71	5TH	7.37
18.21	3RD	7.17
17.85	2ND	7.03
17.32	1ST	6.82

(28) POPLITEAL HEIGHT

Subject sits erect, feet on the adjustable platform, knees flexed 90 degrees, and thighs parallel. With an anthropometer, measure the vertical distance from the surface of the platform to the lateral underside of the thigh at a point contiguous to where the tendon of the biceps femoris muscle joins the lower leg.



CENTIMETERS INCHES

41.05 MEAN VALUE 16.16
 0.04 SE(MEAN) 0.02
 1.86 SD DEVIATION 0.73
 0.03 SE(SD DEV) 0.01

SYMMETRY---VETA I = -0.03
 KURTOSIS---VETA II = 3.70
 COEF. OF VARIATION = 4.5%

NUMBER OF SUBJECTS = 1905

THE PERCENTILES

CENTIMETERS INCHES

45.88	99TH	18.06
45.12	98TH	17.76
44.67	97TH	17.59
44.11	95TH	17.37
43.32	90TH	17.06
42.84	85TH	16.86
42.47	80TH	16.72
42.17	75TH	16.60
41.91	70TH	16.50
41.68	65TH	16.41
41.46	60TH	16.32
41.25	55TH	16.24
41.04	50TH	16.16
40.83	45TH	16.08
40.62	40TH	15.99
40.40	35TH	15.91
40.16	30TH	15.81
39.90	25TH	15.71
39.60	20TH	15.59
39.24	15TH	15.45
38.75	10TH	15.26
37.96	5TH	14.95
37.39	3RD	14.72
36.94	2ND	14.55
36.17	1ST	14.24

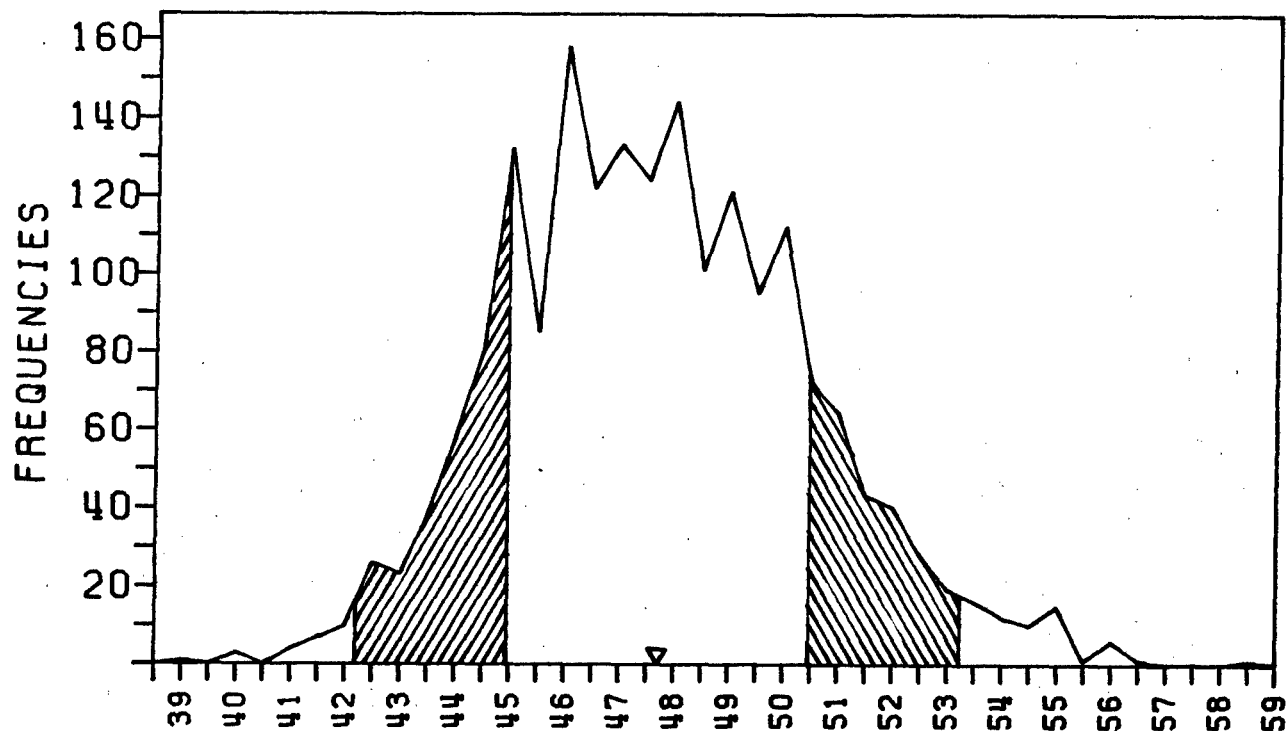
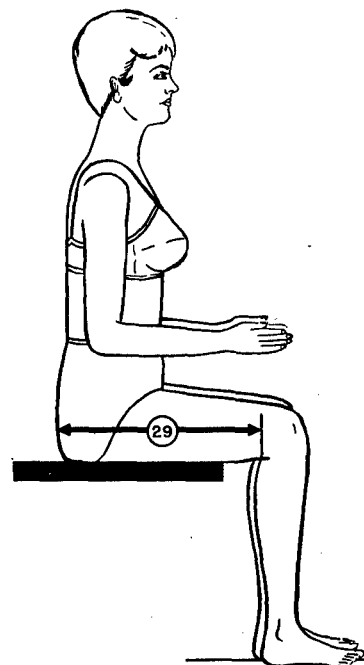
RANGES* F CUMF FPCT CUMPT

46.75- 47.25	2	1905	0.10	100.00
46.25- 46.75	9	1903	0.47	99.90
45.75- 46.25	10	1894	0.52	99.42
45.25- 45.75	13	1884	0.68	98.90
44.75- 45.25	16	1871	0.84	98.22
44.25- 44.75	40	1855	2.10	97.38
43.75- 44.25	51	1815	2.68	95.28
43.25- 43.75	65	1764	3.41	92.60
42.75- 43.25	96	1699	5.04	89.19
42.25- 42.75	132	1603	6.93	84.15
41.75- 42.25	172	1471	9.03	77.22
41.25- 41.75	233	1299	12.23	68.19
40.75- 41.25	271	1066	14.23	55.96
40.25- 40.75	209	795	10.97	41.73
39.75- 40.25	176	586	9.24	30.76
39.25- 39.75	131	410	6.88	21.52
38.75- 39.25	82	279	4.30	14.65
38.25- 38.75	64	197	3.36	10.34
37.75- 38.25	48	133	2.52	6.98
37.25- 37.75	35	85	1.84	4.46
36.75- 37.25	25	50	1.31	2.62
36.25- 36.75	5	25	0.26	1.31
35.75- 36.25	8	20	0.42	1.05
35.25- 35.75	6	12	0.31	0.63
34.75- 35.25	3	6	0.16	0.31
34.25- 34.75	2	3	0.10	0.16
33.75- 34.25	0	1	0.00	0.05
33.25- 33.75	1	1	0.05	0.05

*IN CENTIMETERS

(29) BUTTOCK-POPLITEAL LENGTH

Subject sits erect on a table, on the top of which is affixed a measuring scale with its origin at the edge of table. The feet are supported by the adjustable platform, knees flexed 90 degrees, thighs parallel, with the posterior surface of the right knee touching the front edge of the table. With a block held against the most posterior aspect of the right buttock, measure on the table scale the horizontal distance from the edge of the table to the buttock.



RANGES*	F	CUMF	FPCT	CUMPCT
58.25- 58.75	1	1905	0.05	100.00
57.75- 58.25	0	1904	0.00	99.95
57.25- 57.75	0	1904	0.00	99.95
56.75- 57.25	0	1904	0.00	99.95
56.25- 56.75	1	1904	0.05	99.95
55.75- 56.25	6	1903	0.31	99.90
55.25- 55.75	1	1897	0.05	99.58
54.75- 55.25	15	1896	0.79	99.53
54.25- 54.75	10	1881	0.52	98.74
53.75- 54.25	12	1871	0.63	98.22
53.25- 53.75	16	1859	0.84	97.59
52.75- 53.25	19	1843	1.00	96.75
52.25- 52.75	28	1824	1.47	95.75
51.75- 52.25	40	1796	2.10	94.28
51.25- 51.75	43	1756	2.26	92.18
50.75- 51.25	64	1713	3.36	89.92
50.25- 50.75	72	1649	3.78	86.56
49.75- 50.25	112	1577	5.88	82.78
49.25- 49.75	95	1465	4.99	76.90
48.75- 49.25	121	1370	6.35	71.92
48.25- 48.75	101	1249	5.30	65.56
47.75- 48.25	144	1148	7.56	60.26
47.25- 47.75	124	1004	6.51	52.70
46.75- 47.25	133	880	6.98	46.19
46.25- 46.75	122	747	6.40	39.21
45.75- 46.25	158	625	8.29	32.81
45.25- 45.75	85	467	4.46	24.51
44.75- 45.25	132	382	6.93	20.05
44.25- 44.75	80	250	4.20	13.12
43.75- 44.25	58	170	3.04	8.92
43.25- 43.75	38	112	1.99	5.88
42.75- 43.25	23	74	1.21	3.88
42.25- 42.75	26	51	1.36	2.68
41.75- 42.25	10	25	0.52	1.31
41.25- 41.75	7	15	0.37	0.79
40.75- 41.25	4	8	0.21	0.42
40.25- 40.75	0	4	0.00	0.21
39.75- 40.25	3	4	0.16	0.21
39.25- 39.75	0	1	0.00	0.05
38.75- 39.25	1	1	0.05	0.05

CENTIMETERS INCHES

47.71 MEAN VALUE 18.78
0.06 SE(MEAN) 0.02
2.76 SD DEVIATION 1.09
0.04 SE(SD DEV) 0.02

SYMMETRY---VETA I = 0.32
KURTOSIS---VETA II = 3.07
COEF. OF VARIATION = 5.8%

NUMBER OF SUBJECTS = 1905

THE PERCENTILES

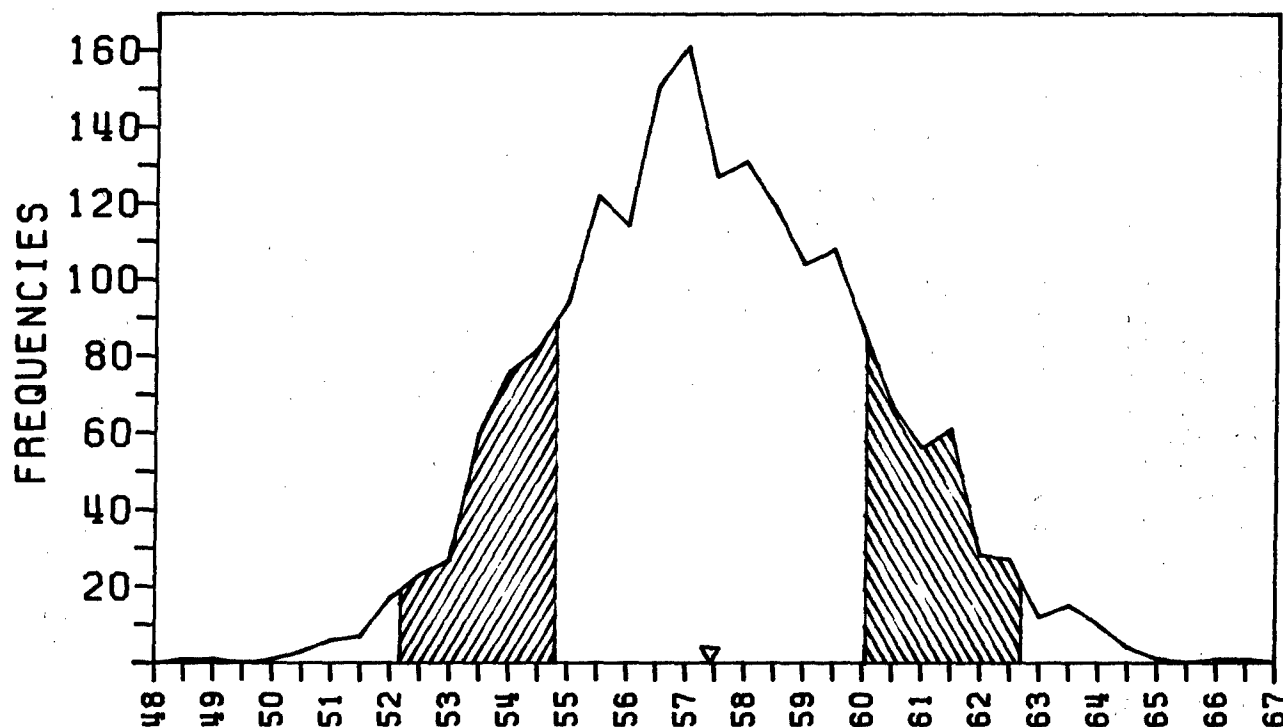
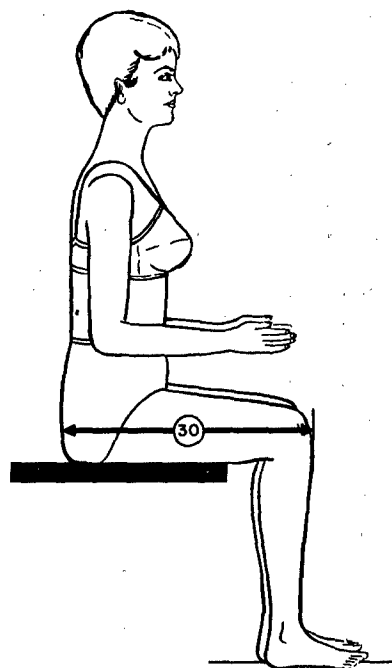
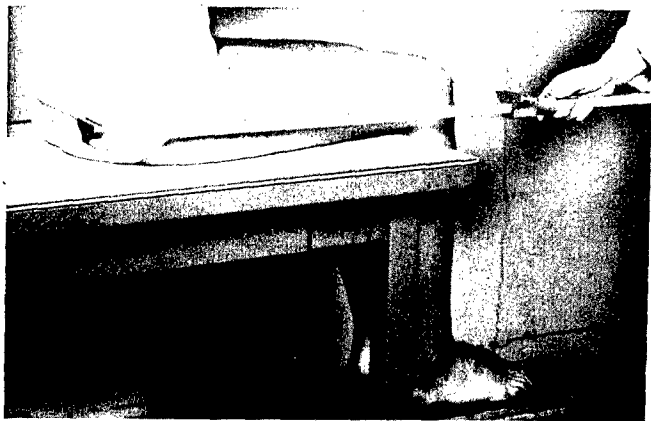
CENTIMETERS INCHES

54.95	99TH	21.63
53.98	98TH	21.25
53.38	97TH	21.02
52.58	95TH	20.70
51.37	90TH	20.23
50.59	85TH	19.92
49.98	80TH	19.68
49.47	75TH	19.48
49.02	70TH	19.30
48.62	65TH	19.14
48.24	60TH	18.99
47.88	55TH	18.85
47.53	50TH	18.71
47.19	45TH	18.58
46.85	40TH	18.44
46.50	35TH	18.31
46.14	30TH	18.16
45.76	25TH	18.01
45.34	20TH	17.85
44.87	15TH	17.66
44.28	10TH	17.43
43.45	5TH	17.11
42.92	3RD	16.90
42.54	2ND	16.75
41.95	1ST	16.51

*IN CENTIMETERS

(30) BUTTOCK-KNEE LENGTH

Subject sits erect, feet on the adjustable platform, knees flexed 90 degrees, and thighs parallel. With a beam caliper held parallel to the long axis of the thigh, measure the horizontal distance from the most posterior aspect of the right buttock to the most anterior aspect of the right knee.



CENTIMETERS

INCHES

57.43 MEAN VALUE 22.61
 0.06 SE(MEAN) 0.02
 2.63 SD DEVIATION 1.04
 0.04 SE(SD DEV) 0.02

SYMMETRY---VETA I = 0.12
 KURTOSIS---VETA II = 2.83
 COEF. OF VARIATION = 4.6%

NUMBER OF SUBJECTS = 1905

THE PERCENTILES

CENTIMETERS

INCHES

63.66	99TH	25.06
62.98	98TH	24.80
62.54	97TH	24.62
61.91	95TH	24.37
60.91	90TH	23.98
60.22	85TH	23.71
59.68	80TH	23.49
59.21	75TH	23.31
58.78	70TH	23.14
58.40	65TH	22.99
58.03	60TH	22.85
57.68	55TH	22.71
57.34	50TH	22.58
57.00	45TH	22.44
56.66	40TH	22.31
56.32	35TH	22.17
55.96	30TH	22.03
55.57	25TH	21.88
55.15	20TH	21.71
54.67	15TH	21.52
54.08	10TH	21.29
53.24	5TH	20.96
52.71	3RD	20.75
52.33	2ND	20.60
51.75	1ST	20.37

RANGES*

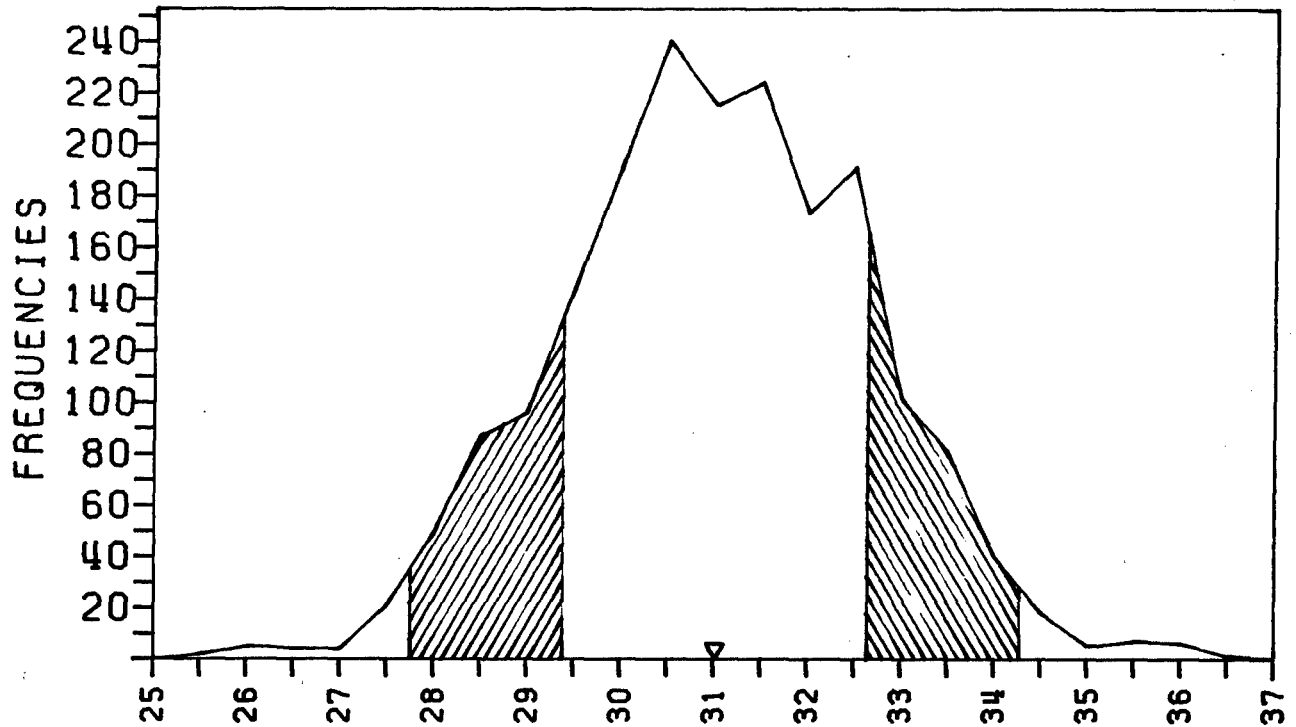
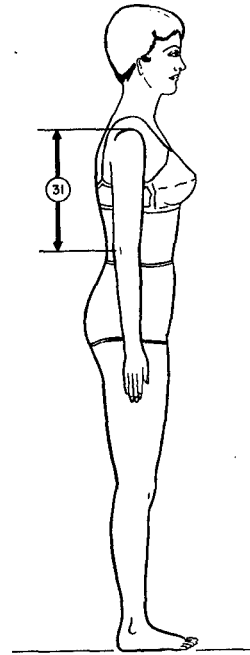
F CUMF FPCT CUMPCT

66.25- 66.75	1	1905	0.05	100.00
65.75- 66.25	1	1904	0.05	99.95
65.25- 65.75	0	1903	0.00	99.90
64.75- 65.25	1	1903	0.05	99.90
64.25- 64.75	4	1902	0.21	99.84
63.75- 64.25	10	1898	0.52	99.63
63.25- 63.75	15	1888	0.79	99.11
62.75- 63.25	12	1873	0.63	98.32
62.25- 62.75	27	1861	1.42	97.69
61.75- 62.25	28	1834	1.47	96.27
61.25- 61.75	61	1806	3.20	94.80
60.75- 61.25	56	1745	2.94	91.60
60.25- 60.75	67	1689	3.52	88.66
59.75- 60.25	87	1622	4.57	85.14
59.25- 59.75	108	1535	5.67	80.58
58.75- 59.25	104	1427	5.46	74.91
58.25- 58.75	119	1323	6.25	69.45
57.75- 58.25	131	1204	6.88	63.20
57.25- 57.75	127	1073	6.67	56.33
56.75- 57.25	161	946	8.45	49.66
56.25- 56.75	151	785	7.93	41.21
55.75- 56.25	114	634	5.98	33.28
55.25- 55.75	122	520	6.40	27.30
54.75- 55.25	94	398	4.93	20.89
54.25- 54.75	82	304	4.30	15.96
53.75- 54.25	76	222	3.99	11.65
53.25- 53.75	60	146	3.15	7.66
52.75- 53.25	27	86	1.42	4.51
52.25- 52.75	23	59	1.21	3.10
51.75- 52.25	17	36	0.89	1.89
51.25- 51.75	7	19	0.37	1.00
50.75- 51.25	6	12	0.31	0.63
50.25- 50.75	3	6	0.16	0.31
49.75- 50.25	1	3	0.05	0.16
49.25- 49.75	0	2	0.00	0.10
48.75- 49.25	1	2	0.05	0.10
48.25- 48.75	1	1	0.05	0.05

*IN CENTIMETERS

(31) ACROMION-RADIALE LENGTH

Subject stands erect looking straight ahead and with arms relaxed. With a beam caliper held parallel to the long axis of the right upper arm, measure the distance from the acromial landmark to the radiale landmark.



CENTIMETERS INCHES

31.01 MEAN VALUE 12.21
 0.04 SE (MEAN) 0.01
 1.63 SD DEVIATION 0.64
 0.03 SE (SD DEV) 0.01

SYMMETRY---VETA I = -0.02
 KURTOSIS---VETA II = 3.02
 COEF. OF VARIATION = 5.2%

NUMBER OF SUBJECTS = 1905

THE PERCENTILES

CENTIMETERS INCHES

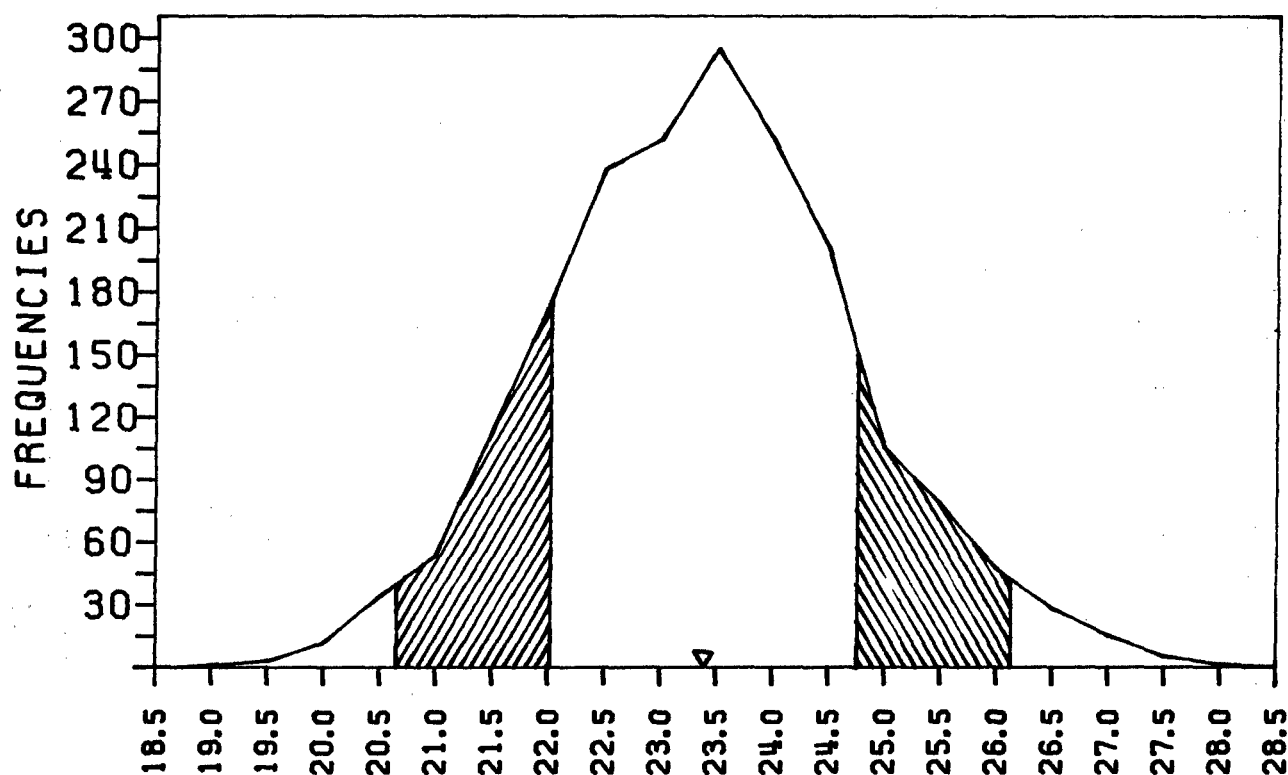
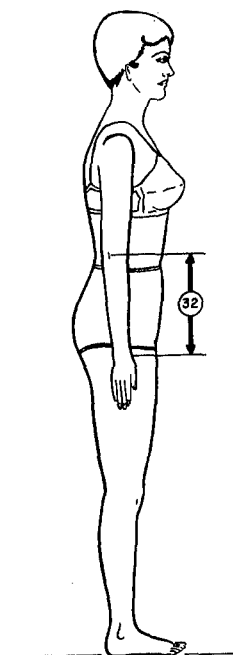
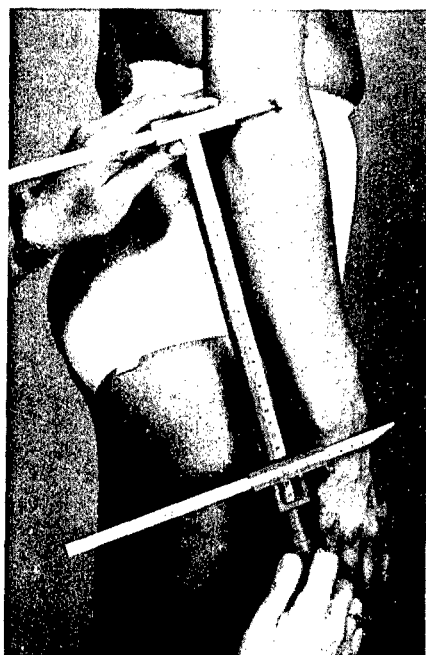
34.71	99TH	13.67
34.28	98TH	13.50
34.01	97TH	13.39
33.64	95TH	13.25
33.08	90TH	13.02
32.70	85TH	12.87
32.39	80TH	12.75
32.13	75TH	12.65
31.89	70TH	12.55
31.66	65TH	12.46
31.45	60TH	12.38
31.24	55TH	12.30
31.03	50TH	12.22
30.82	45TH	12.13
30.61	40TH	12.05
30.38	35TH	11.96
30.15	30TH	11.87
29.90	25TH	11.77
29.62	20TH	11.66
29.29	15TH	11.53
28.89	10TH	11.37
28.32	5TH	11.15
27.97	3RD	11.01
27.72	2ND	10.91
27.37	1ST	10.78

RANGES*	F	CUMF	FPCT	CUMPCT
36.25- 36.75	1	1905	0.05	100.00
35.75- 36.25	6	1904	0.31	99.95
35.25- 35.75	7	1898	0.37	99.63
34.75- 35.25	5	1891	0.26	99.27
34.25- 34.75	18	1886	0.94	99.00
33.75- 34.25	40	1868	2.10	98.06
33.25- 33.75	81	1828	4.25	95.96
32.75- 33.25	101	1747	5.30	91.71
32.25- 32.75	191	1646	10.03	86.40
31.75- 32.25	173	1455	9.08	76.38
31.25- 31.75	224	1282	11.76	67.30
30.75- 31.25	215	1058	11.29	55.54
30.25- 30.75	240	843	12.60	44.25
29.75- 30.25	191	603	10.03	31.65
29.25- 29.75	144	412	7.56	21.63
28.75- 29.25	96	268	5.04	14.07
28.25- 28.75	87	172	4.57	9.03
27.75- 28.25	49	85	2.57	4.46
27.25- 27.75	21	36	1.10	1.89
26.75- 27.25	4	15	0.21	0.79
26.25- 26.75	4	11	0.21	0.58
25.75- 26.25	5	7	0.26	0.37
25.25- 25.75	2	2	0.10	0.10

*IN CENTIMETERS

(32) RADIALE-STYLION LENGTH

Subject stands erect with arms relaxed. With a beam caliper held parallel to the long axis of the right forearm, measure the distance from the radiale landmark to the stylium landmark.



CENTIMETERS INCHES

23.39 MEAN VALUE 9.21
 0.03 SE(MEAN) 0.01
 1.37 SD DEVIATION 0.54
 0.02 SE(SD DEV) 0.01

SYMMETRY---VETA I = 0.14
 KURTOSIS---VETA II = 3.03
 COEF. OF VARIATION = 5.8%

NUMBER OF SUBJECTS = 1905

THE PERCENTILES

CENTIMETERS INCHES

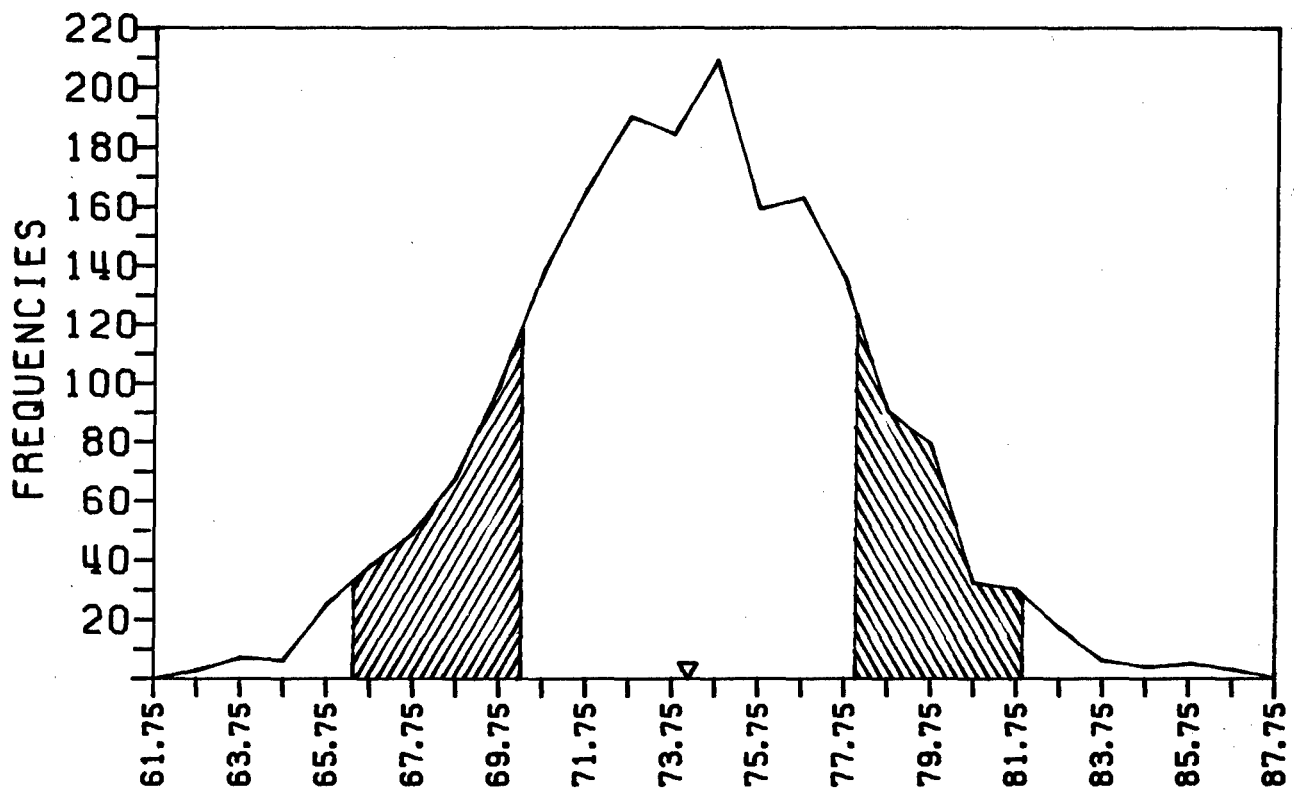
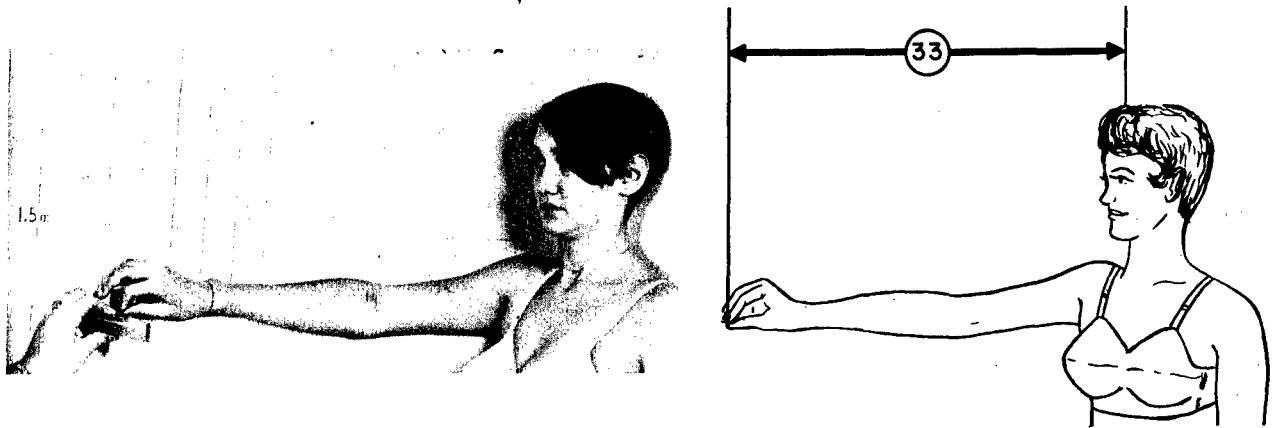
26.87	99TH	10.58
26.40	98TH	10.39
26.11	97TH	10.28
25.73	95TH	10.13
25.17	90TH	9.91
24.80	85TH	9.77
24.52	80TH	9.65
24.28	75TH	9.56
24.07	70TH	9.48
23.88	65TH	9.40
23.69	60TH	9.33
23.52	55TH	9.26
23.35	50TH	9.19
23.17	45TH	9.12
23.00	40TH	9.06
22.83	35TH	8.99
22.64	30TH	8.91
22.44	25TH	8.83
22.21	20TH	8.75
21.96	15TH	8.64
21.63	10TH	8.52
21.15	5TH	8.33
20.84	3RD	8.21
20.61	2ND	8.12
20.26	1ST	7.98

RANGES*	F	CUMF	FPCT	CUMPCT
27.75- 28.25	1	1905	0.05	100.00
27.25- 27.75	5	1904	0.26	99.95
26.75- 27.25	15	1899	0.79	99.69
26.25- 26.75	28	1884	1.47	98.90
25.75- 26.25	47	1856	2.47	97.43
25.25- 25.75	78	1809	4.09	94.96
24.75- 25.25	105	1731	5.51	90.87
24.25- 24.75	200	1626	10.50	85.35
23.75- 24.25	251	1426	13.18	74.86
23.25- 23.75	295	1175	15.49	61.68
22.75- 23.25	252	880	13.23	46.19
22.25- 22.75	238	628	12.49	32.97
21.75- 22.25	173	390	9.08	20.47
21.25- 21.75	113	217	5.93	11.39
20.75- 21.25	54	104	2.83	5.46
20.25- 20.75	34	50	1.78	2.62
19.75- 20.25	12	16	0.63	0.84
19.25- 19.75	3	4	0.16	0.21
18.75- 19.25	1	1	0.05	0.05

*IN CENTIMETERS

(33) THUMB-TIP REACH

Subject stands erect in a corner looking straight ahead, both shoulders against the back wall, right arm horizontal and held against the scale mounted on the side wall. The thumb is extended and parallel to the long axis of the arm. The tip of the index finger touches the pad of the extended thumb. With the block, measure on the wall scale the horizontal distance from the back wall to the tip of the thumb.



CENTIMETERS		INCHES
74.13	MEAN VALUE	29.19
0.09	SE(MEAN)	0.04
3.88	SD DEVIATION	1.53
0.06	SE(SD DEV)	0.02

SYMMETRY---VETA I = 0.04
 KURTOSIS---VETA II = 3.00
 COEF. OF VARIATION = 5.2%

NUMBER OF SUBJECTS = 1905

THE PERCENTILES

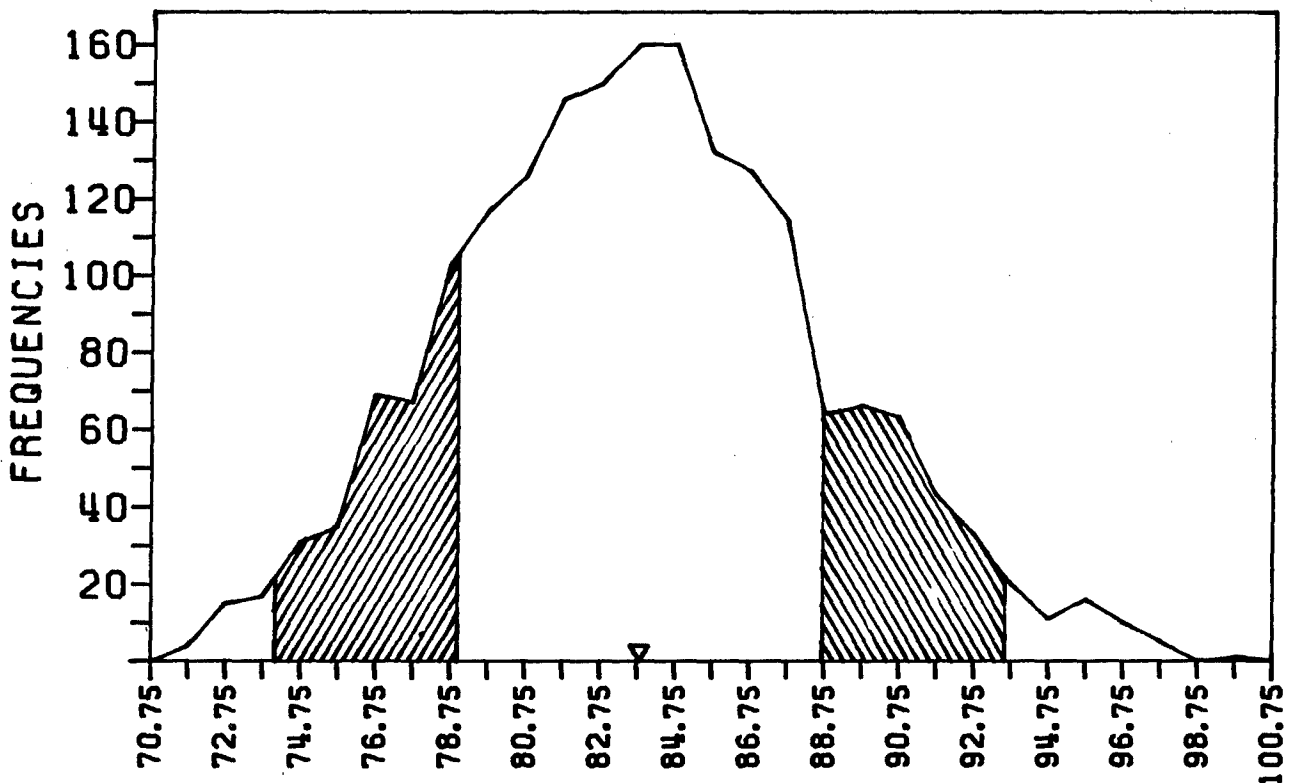
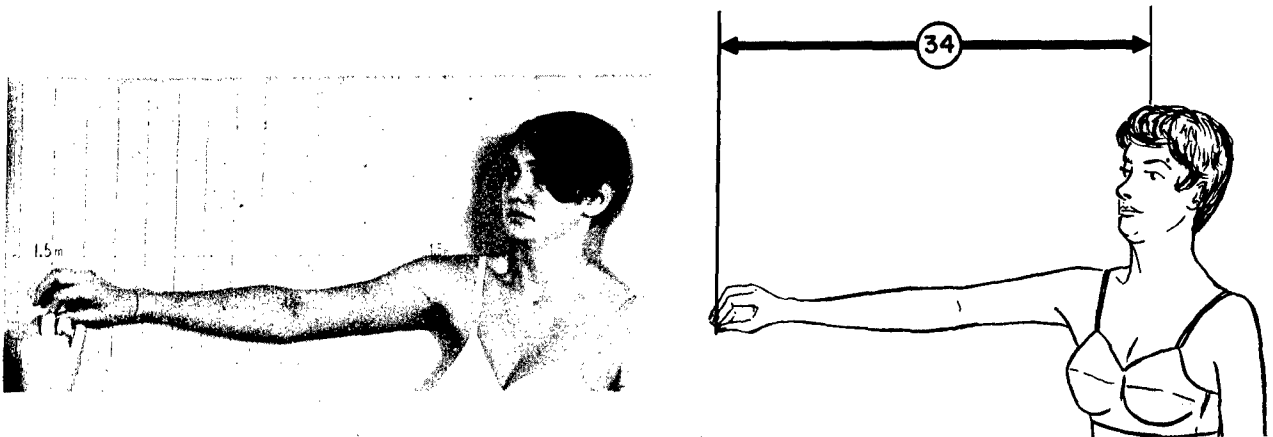
CENTIMETERS		INCHES
83.25	99TH	32.78
82.09	98TH	32.32
81.39	97TH	32.04
80.45	95TH	31.67
79.05	90TH	31.12
78.11	85TH	30.75
77.38	80TH	30.46
76.74	75TH	30.21
76.17	70TH	29.99
75.64	65TH	29.78
75.13	60TH	29.58
74.64	55TH	29.38
74.15	50TH	29.19
73.65	45TH	29.00
73.15	40TH	28.80
72.63	35TH	28.60
72.08	30TH	28.38
71.48	25TH	28.14
70.81	20TH	27.88
70.04	15TH	27.58
69.07	10TH	27.19
67.67	5TH	26.64
66.80	3RD	26.30
66.18	2ND	26.06
65.27	1ST	25.70

RANGES*	F	CUMF	FPCT	CUMPT
86.25- 87.25	3	1905	0.16	100.00
85.25- 86.25	5	1902	0.26	99.84
84.25- 85.25	4	1897	0.21	99.58
83.25- 84.25	6	1893	0.31	99.37
82.25- 83.25	17	1887	0.89	99.06
81.25- 82.25	30	1870	1.57	98.16
80.25- 81.25	32	1840	1.68	96.59
79.25- 80.25	79	1808	4.15	94.91
78.25- 79.25	90	1729	4.72	90.76
77.25- 78.25	135	1639	7.09	86.04
76.25- 77.25	163	1504	8.56	78.95
75.25- 76.25	159	1341	8.35	70.39
74.25- 75.25	209	1182	10.97	62.05
73.25- 74.25	184	973	9.66	51.08
72.25- 73.25	190	789	9.97	41.42
71.25- 72.25	166	599	8.71	31.44
70.25- 71.25	138	433	7.24	22.73
69.25- 70.25	99	295	5.20	15.49
68.25- 69.25	68	196	3.57	10.29
67.25- 68.25	49	128	2.57	6.72
66.25- 67.25	38	79	1.99	4.15
65.25- 66.25	25	41	1.31	2.15
64.25- 65.25	6	16	0.31	0.84
63.25- 64.25	7	10	0.37	0.52
62.25- 63.25	3	3	0.16	0.16

*IN CENTIMETERS

(34) THUMB-TIP REACH, EXTENDED

Subject stands erect in a corner looking straight ahead, right shoulder extended as far forward as possible while keeping the back of the left shoulder firmly against the back wall, the right arm is horizontal and held against the scale mounted on the side wall. The thumb is extended and parallel to the long axis of the arm. The tip of the index finger touches the pad of the extended thumb. With a block, measure on the wall scale the horizontal distance from the back wall to the tip of the thumb.



CENTIMETERS INCHES

83.83 MEAN VALUE 33.01
 0.11 SE(MEAN) 0.04
 4.88 SD DEVIATION 1.92
 0.08 SE(SD DEV) 0.03

SYMMETRY---VETA I = 0.20
 KURTOSIS---VETA II = 2.85
 COEF. OF VARIATION = 5.8%

NUMBER OF SUBJECTS = 1905

THE PERCENTILES

CENTIMETERS INCHES

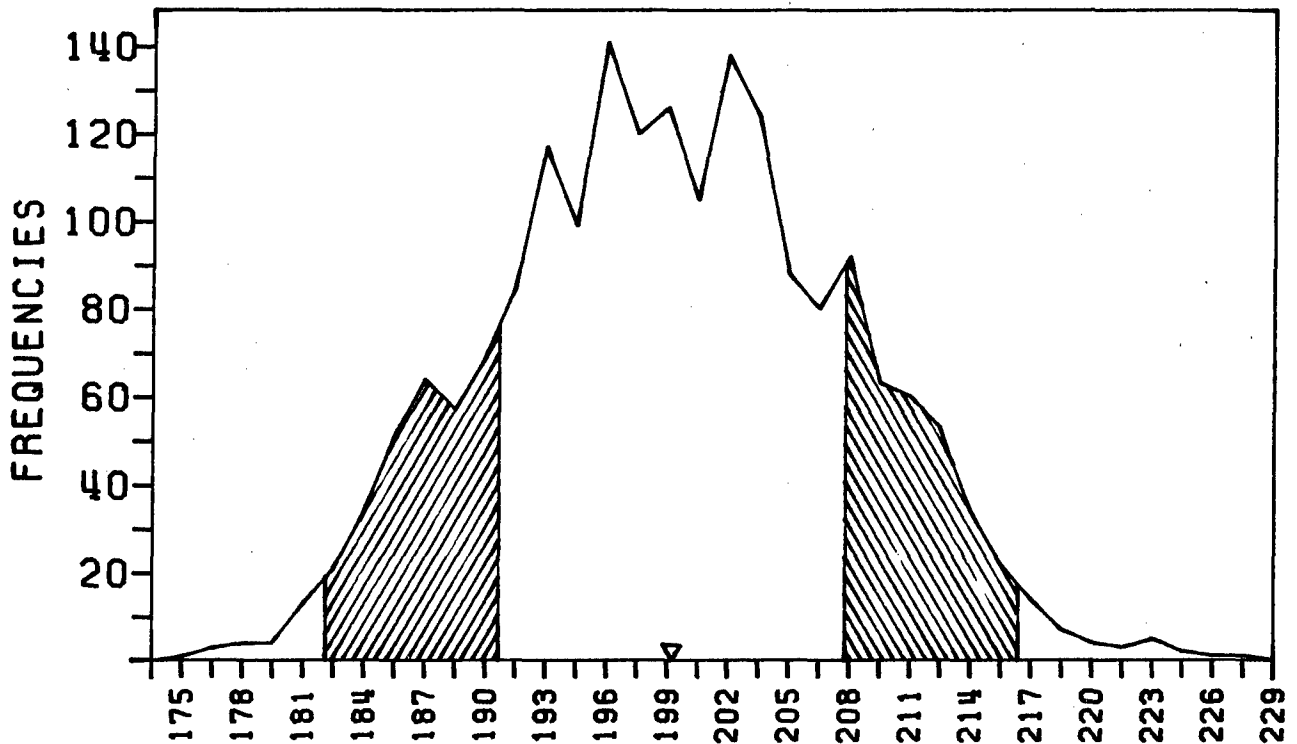
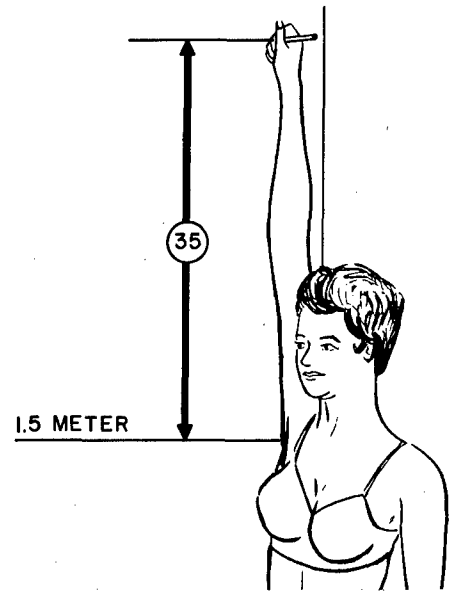
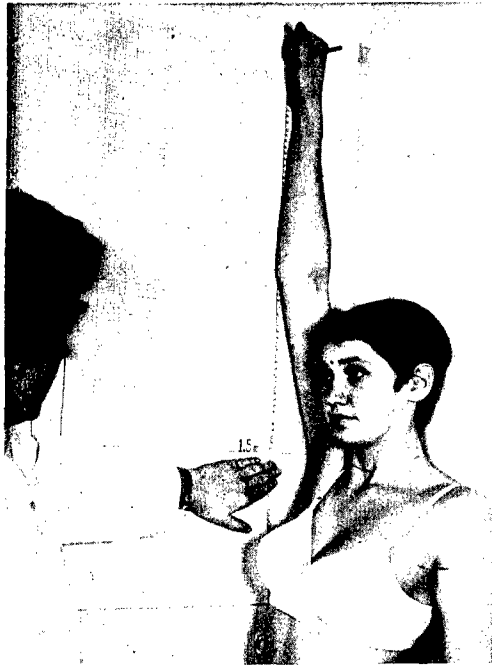
96.14	99TH	37.85
94.57	98TH	37.23
93.59	97TH	36.85
92.27	95TH	36.33
90.29	90TH	35.55
88.97	85TH	35.03
87.95	80TH	34.63
87.08	75TH	34.28
86.30	70TH	33.98
85.59	65TH	33.70
84.92	60TH	33.43
84.29	55TH	33.18
83.66	50TH	32.94
83.04	45TH	32.69
82.41	40TH	32.45
81.78	35TH	32.19
81.11	30TH	31.93
80.40	25TH	31.65
79.61	20TH	31.34
78.71	15TH	30.99
77.60	10TH	30.55
76.01	5TH	29.93
75.02	3RD	29.53
74.30	2ND	29.25
73.22	1ST	28.83

RANGES*	F	CUMF	FPCT	CUMPCT
99.25-100.25	1	1905	0.05	100.00
98.25- 99.25	0	1904	0.00	99.95
97.25- 98.25	5	1904	0.26	99.95
96.25- 97.25	10	1899	0.52	99.69
95.25- 96.25	16	1889	0.84	99.16
94.25- 95.25	11	1873	0.58	98.32
93.25- 94.25	20	1862	1.05	97.74
92.25- 93.25	33	1842	1.73	96.69
91.25- 92.25	43	1809	2.26	94.96
90.25- 91.25	63	1766	3.31	92.70
89.25- 90.25	66	1703	3.46	89.40
88.25- 89.25	64	1637	3.36	85.93
87.25- 88.25	114	1573	5.98	82.57
86.25- 87.25	127	1459	6.67	76.59
85.25- 86.25	132	1332	6.93	69.92
84.25- 85.25	160	1200	8.40	62.99
83.25- 84.25	160	1040	8.40	54.59
82.25- 83.25	150	880	7.87	46.19
81.25- 82.25	146	730	7.66	38.32
80.25- 81.25	126	584	6.61	30.66
79.25- 80.25	117	458	6.14	24.04
78.25- 79.25	103	341	5.41	17.90
77.25- 78.25	67	238	3.52	12.49
76.25- 77.25	69	171	3.62	8.98
75.25- 76.25	35	102	1.84	5.35
74.25- 75.25	31	67	1.63	3.52
73.25- 74.25	17	36	0.89	1.89
72.25- 73.25	15	19	0.79	1.00
71.25- 72.25	4	4	0.21	0.21

*IN CENTIMETERS

(35) OVERHEAD REACH

Subject stands erect, looking straight ahead, along side of, but not touching, the wall mounted scale. Holding the special pointer in her right fist, she raises the pointer as high as possible while keeping her feet flat on the floor and both the pointer and the proximal phalanges horizontal. Measure on the wall scale the vertical distance from the floor to the tip of the pointer.



RANGES*	F	CUMF	FPCT	CUMPCT
226.75-228.25	1	1905	0.05	100.00
225.25-226.75	1	1904	0.05	99.95
223.75-225.25	2	1903	0.10	99.90
222.25-223.75	5	1901	0.26	99.79
220.75-222.25	3	1896	0.16	99.53
219.25-220.75	4	1893	0.21	99.37
217.75-219.25	7	1889	0.37	99.16
216.25-217.75	14	1882	0.73	98.79
214.75-216.25	22	1868	1.15	98.06
213.25-214.75	34	1846	1.78	96.90
211.75-213.25	53	1812	2.78	95.12
210.25-211.75	60	1759	3.15	92.34
208.75-210.25	63	1699	3.31	89.19
207.25-208.75	92	1636	4.83	85.88
205.75-207.25	80	1544	4.20	81.05
204.25-205.75	88	1464	4.62	76.85
202.75-204.25	124	1376	6.51	72.23
201.25-202.75	138	1252	7.24	65.72
199.75-201.25	105	1114	5.51	58.48
198.25-199.75	126	1009	6.61	52.97
196.75-198.25	120	883	6.30	46.35
195.25-196.75	141	763	7.40	40.05
193.75-195.25	99	622	5.20	32.65
192.25-193.75	117	523	6.14	27.45
190.75-192.25	85	406	4.46	21.31
189.25-190.75	69	321	3.62	16.85
187.75-189.25	57	252	2.99	13.23
186.25-187.75	64	195	3.36	10.24
184.75-186.25	51	131	2.68	6.88
183.25-184.75	34	80	1.78	4.20
181.75-183.25	21	46	1.10	2.41
180.25-181.75	13	25	0.68	1.31
178.75-180.25	4	12	0.21	0.63
177.25-178.75	4	8	0.21	0.42
175.75-177.25	3	4	0.16	0.21
174.25-175.75	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS INCHES

199.23 MEAN VALUE 78.44
0.20 SE(MEAN) 0.08
8.56 SD DEVIATION 3.37
0.14 SE(SD DEV) 0.05

SYMMETRY---VETA I = 0.07
KURTOSIS---VETA II = 2.67
COEF. OF VARIATION = 4.3%

NUMBER OF SUBJECTS = 1905

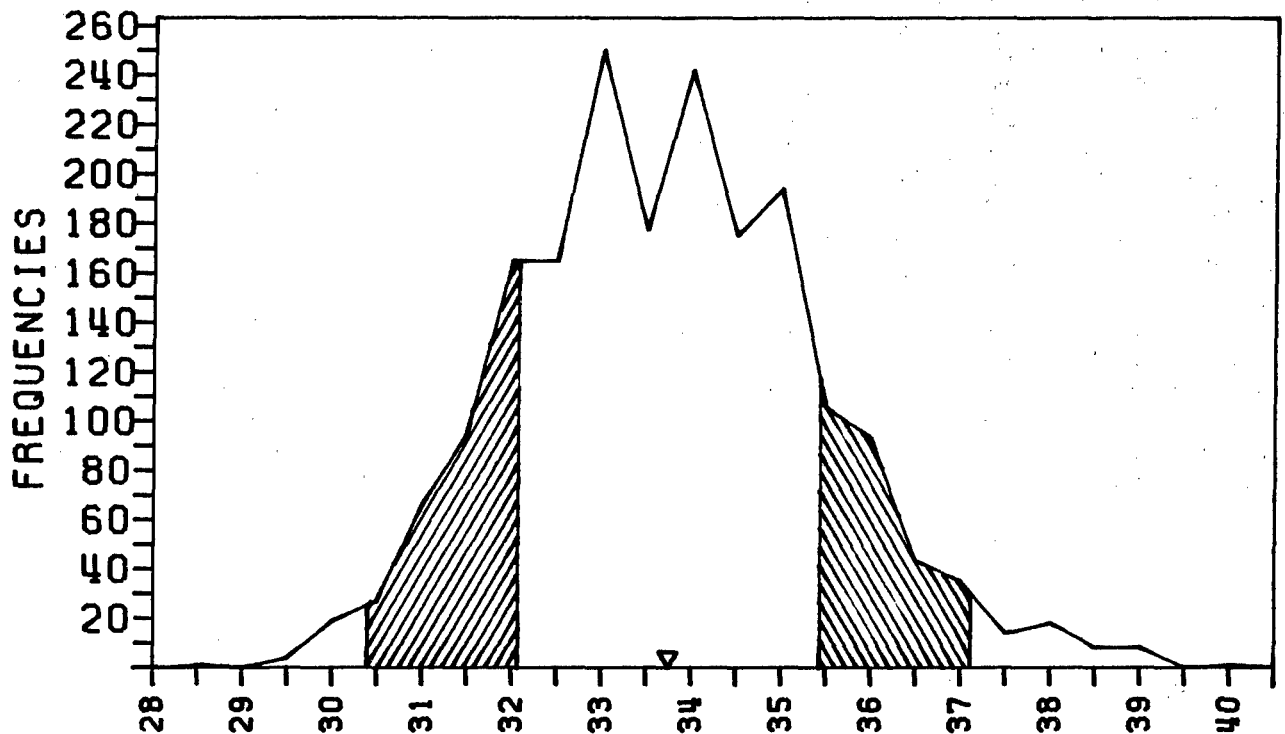
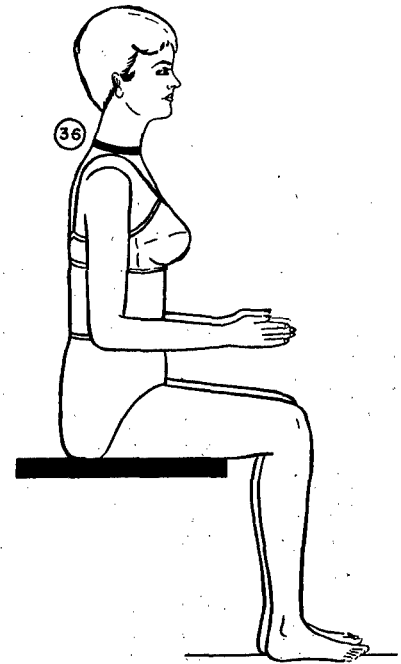
THE PERCENTILES

CENTIMETERS INCHES

218.37	99TH	85.97
216.39	98TH	85.19
215.09	97TH	84.68
213.28	95TH	83.97
210.37	90TH	82.82
208.33	85TH	82.02
206.67	80TH	81.37
205.21	75TH	80.79
203.89	70TH	80.27
202.65	65TH	79.78
201.47	60TH	79.32
200.32	55TH	78.87
199.18	50TH	78.42
198.03	45TH	77.96
196.87	40TH	77.51
195.68	35TH	77.04
194.43	30TH	76.55
193.09	25TH	76.02
191.62	20TH	75.44
189.96	15TH	74.79
187.94	10TH	73.99
185.19	5TH	72.91
183.61	3RD	72.29
182.57	2ND	71.88
181.18	1ST	71.33

(36) NECK CIRCUMFERENCE

Subject sits erect, head in the Frankfort plane. A piece of dental tape is placed around the neck, passing over all four neck landmarks. The measurer marks off with her thumbnail a length of tape corresponding to the subject's neck circumference, and then measures this tape segment with a standard tape.



RANGES*	F	CUMF	FPCT	CUMPCT
39.75- 40.25	1	1905	0.05	100.00
39.25- 39.75	0	1904	0.00	99.95
38.75- 39.25	8	1904	0.42	99.95
38.25- 38.75	8	1896	0.42	99.53
37.75- 38.25	18	1888	0.94	99.11
37.25- 37.75	14	1870	0.73	98.16
36.75- 37.25	35	1856	1.84	97.43
36.25- 36.75	43	1821	2.26	95.59
35.75- 36.25	93	1778	4.88	93.33
35.25- 35.75	105	1685	5.51	88.45
34.75- 35.25	194	1580	10.18	82.94
34.25- 34.75	175	1386	9.19	72.76
33.75- 34.25	242	1211	12.70	63.57
33.25- 33.75	177	969	9.29	50.87
32.75- 33.25	250	792	13.12	41.57
32.25- 32.75	165	542	8.66	28.45
31.75- 32.25	165	377	8.66	19.79
31.25- 31.75	95	212	4.99	11.13
30.75- 31.25	66	117	3.46	6.14
30.25- 30.75	27	51	1.42	2.68
29.75- 30.25	19	24	1.00	1.26
29.25- 29.75	4	5	0.21	0.26
28.75- 29.25	0	1	0.00	0.05
28.25- 28.75	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS

INCHES

33.75 MEAN VALUE 13.29
0.04 SE(MEAN) 0.02
1.68 SD DEVIATION 0.66
0.03 SE(SD DEV) 0.01

SYMMETRY---VETA I = 0.30
KURTOSIS---VETA II = 3.10
COEF. OF VARIATION = 5.0%

NUMBER OF SUBJECTS = 1905

THE PERCENTILES

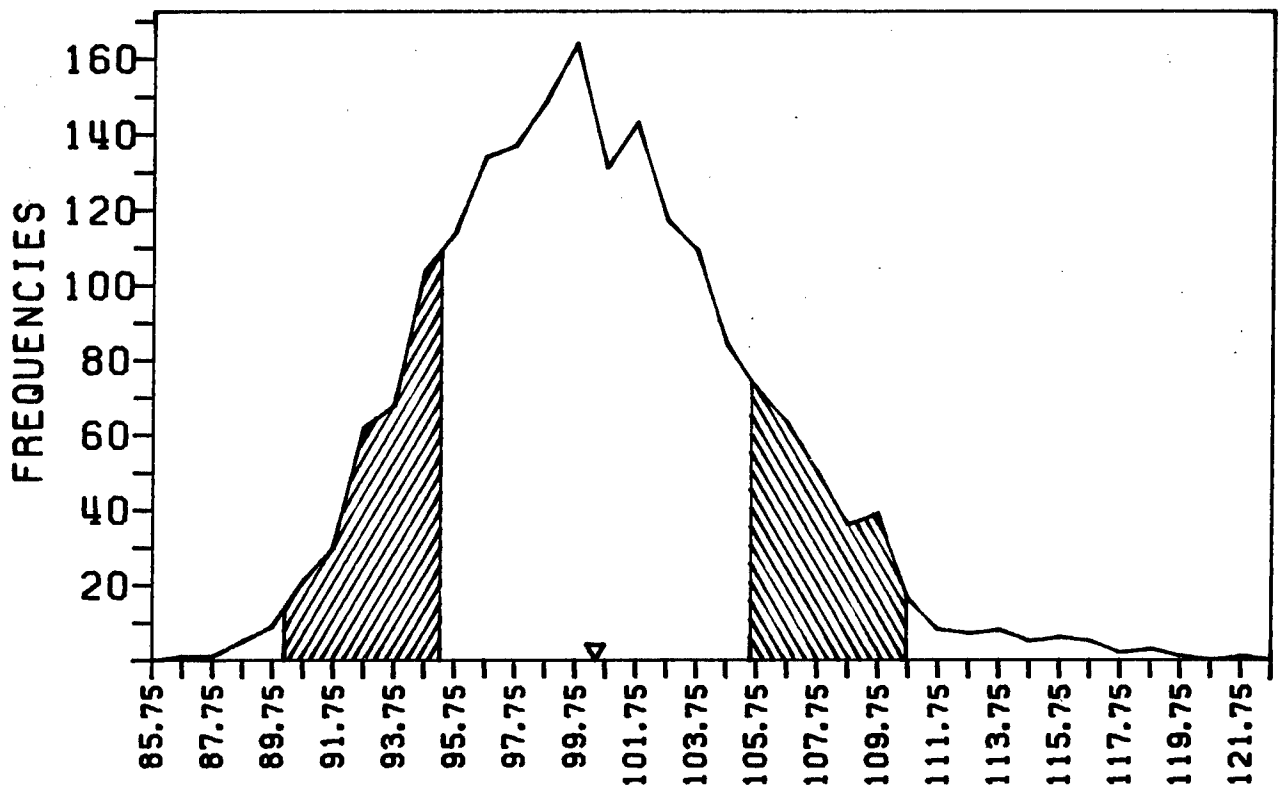
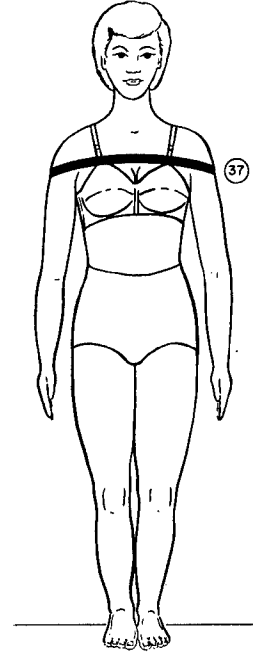
CENTIMETERS

INCHES

38.21	99TH	15.04
37.56	98TH	14.79
37.17	97TH	14.63
36.66	95TH	14.43
35.94	90TH	14.15
35.47	85TH	13.96
35.12	80TH	13.83
34.82	75TH	13.71
34.55	70TH	13.60
34.31	65TH	13.51
34.09	60TH	13.42
33.87	55TH	13.34
33.66	50TH	13.25
33.45	45TH	13.17
33.25	40TH	13.09
33.03	35TH	13.00
32.81	30TH	12.92
32.57	25TH	12.82
32.30	20TH	12.72
31.99	15TH	12.60
31.62	10TH	12.45
31.08	5TH	12.23
30.74	3RD	12.10
30.51	2ND	12.01
30.15	1ST	11.87

(37) SHOULDER CIRCUMFERENCE

Subject stands erect looking straight ahead, arms relaxed at sides, heels together, and weight distributed equally on both feet. With a tape held in a horizontal plane, measure the circumference of the body at the level of the deltoid landmark.



RANGES*	F	CUMF	FPCT	CUMPT
121.25-122.25	1	1905	0.05	100.00
120.25-121.25	0	1904	0.00	99.95
119.25-120.25	1	1904	0.05	99.95
118.25-119.25	3	1903	0.16	99.90
117.25-118.25	2	1900	0.10	99.74
116.25-117.25	5	1898	0.26	99.63
115.25-116.25	6	1893	0.31	99.37
114.25-115.25	5	1887	0.26	99.06
113.25-114.25	8	1882	0.42	98.79
112.25-113.25	7	1874	0.37	98.37
111.25-112.25	8	1867	0.42	98.01
110.25-111.25	16	1859	0.84	97.59
109.25-110.25	39	1843	2.05	96.75
108.25-109.25	36	1804	1.89	94.70
107.25-108.25	50	1768	2.62	92.81
106.25-107.25	63	1718	3.31	90.18
105.25-106.25	72	1655	3.78	86.88
104.25-105.25	84	1583	4.41	83.10
103.25-104.25	109	1499	5.72	78.69
102.25-103.25	117	1390	6.14	72.97
101.25-102.25	143	1273	7.51	66.82
100.25-101.25	131	1130	6.88	59.32
99.25-100.25	164	999	8.61	52.44
98.25- 99.25	149	835	7.82	43.83
97.25- 98.25	137	686	7.19	36.01
96.25- 97.25	134	549	7.03	28.82
95.25- 96.25	114	415	5.98	21.78
94.25- 95.25	104	301	5.46	15.80
93.25- 94.25	68	197	3.57	10.34
92.25- 93.25	62	129	3.25	6.77
91.25- 92.25	30	67	1.57	3.52
90.25- 91.25	21	37	1.10	1.94
89.25- 90.25	9	16	0.47	0.84
88.25- 89.25	5	7	0.26	0.37
87.25- 88.25	1	2	0.05	0.10
86.25- 87.25	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS INCHES

100.41	MEAN VALUE	39.53
0.12	SE (MEAN)	0.05
5.14	SD DEVIATION	2.02
0.08	SE (SD DEV)	0.03

SYMMETRY---	VETA I =	0.50
KURTOSIS---	VETA II =	3.40
COEF. OF VARIATION	=	5.1%

NUMBER OF SUBJECTS = 1905

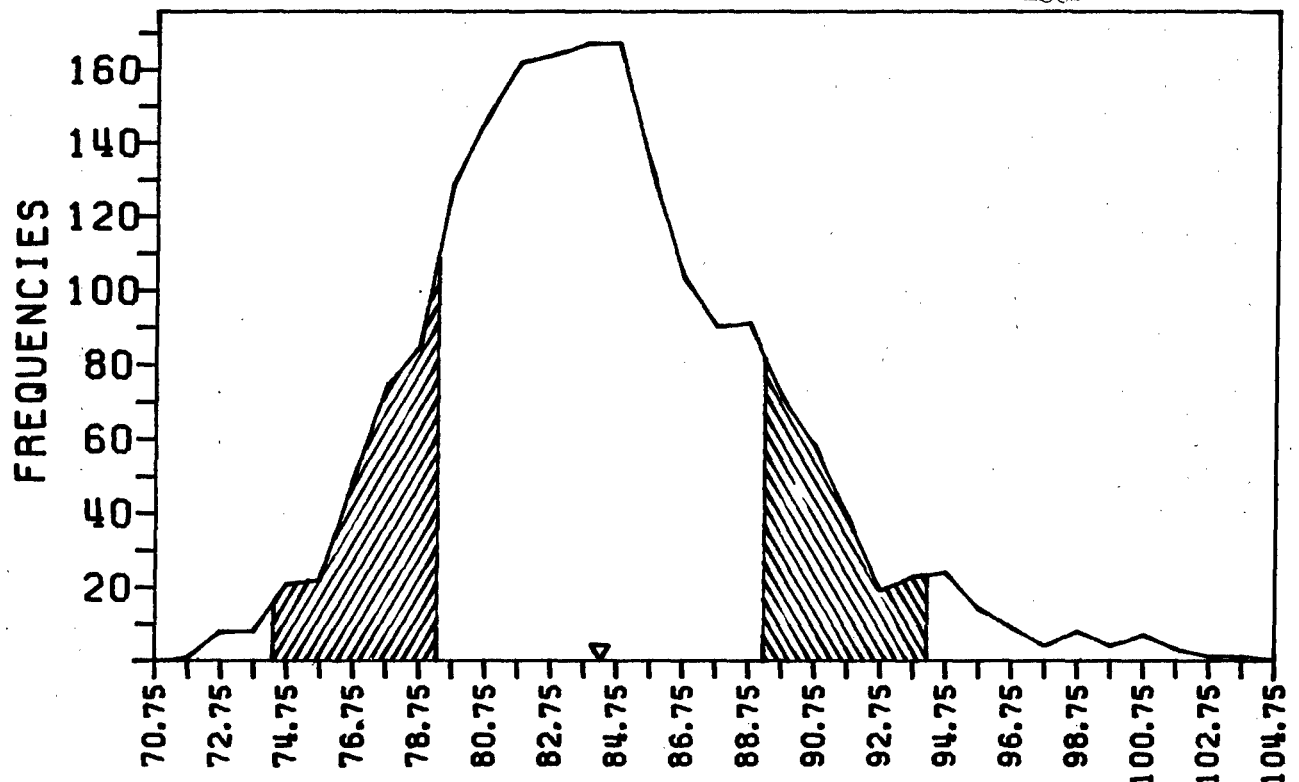
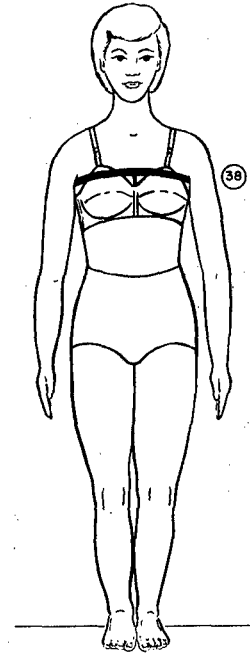
THE PERCENTILES

CENTIMETERS INCHES

114.72	99TH	45.16
112.41	98TH	44.26
111.07	97TH	43.73
109.38	95TH	43.06
107.02	90TH	42.13
105.55	85TH	41.56
104.45	80TH	41.12
103.53	75TH	40.76
102.73	70TH	40.44
102.00	65TH	40.16
101.32	60TH	39.89
100.67	55TH	39.64
100.04	50TH	39.39
99.42	45TH	39.14
98.79	40TH	38.90
98.16	35TH	38.64
97.49	30TH	38.38
96.78	25TH	38.10
96.01	20TH	37.80
95.13	15TH	37.45
94.07	10TH	37.04
92.62	5TH	36.47
91.79	3RD	36.14
91.25	2ND	35.92
90.53	1ST	35.64

(38) CHEST CIRCUMFERENCE AT SCYE

Subject stands erect looking straight ahead, heels together, weight distributed equally on both feet, and arms abducted sufficiently to allow passage of a tape between arms and trunk. With a tape held in a horizontal plane, measure the circumference of the trunk at the level of the horizontal scye landmarks. The reading is made at the point of maximum quiet inspiration.



RANGES*	F	CUMF	FPCT	CUMPT
103.25-104.25	1	1905	0.05	100.00
102.25-103.25	1	1904	0.05	99.95
101.25-102.25	3	1903	0.16	99.90
100.25-101.25	7	1900	0.37	99.74
99.25-100.25	4	1893	0.21	99.37
98.25- 99.25	8	1889	0.42	99.16
97.25- 98.25	4	1881	0.21	98.74
96.25- 97.25	9	1877	0.47	98.53
95.25- 96.25	14	1868	0.73	98.06
94.25- 95.25	24	1854	1.26	97.32
93.25- 94.25	23	1830	1.21	96.06
92.25- 93.25	19	1807	1.00	94.86
91.25- 92.25	39	1788	2.05	93.86
90.25- 91.25	58	1749	3.04	91.81
89.25- 90.25	71	1691	3.73	88.77
88.25- 89.25	91	1620	4.78	85.04
87.25- 88.25	90	1529	4.72	80.26
86.25- 87.25	103	1439	5.41	75.54
85.25- 86.25	132	1336	6.93	70.13
84.25- 85.25	167	1204	8.77	63.20
83.25- 84.25	167	1037	8.77	54.44
82.25- 83.25	164	870	8.61	45.67
81.25- 82.25	162	706	8.50	37.06
80.25- 81.25	147	544	7.72	28.56
79.25- 80.25	129	397	6.77	20.84
78.25- 79.25	85	268	4.46	14.07
77.25- 78.25	74	183	3.88	9.61
76.25- 77.25	49	109	2.57	5.72
75.25- 76.25	22	60	1.15	3.15
74.25- 75.25	21	38	1.10	1.99
73.25- 74.25	8	17	0.42	0.89
72.25- 73.25	8	9	0.42	0.47
71.25- 72.25	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS

INCHES

84.25	MEAN VALUE	33.17
0.11	SE(MEAN)	0.04
4.96	SD DEVIATION	1.95
0.08	SE(SD DEV)	0.03

SYMMETRY---VETA	I =	0.61
KURTOSIS---VETA	II =	3.66
COEF. OF VARIATION	=	5.9%

NUMBER OF SUBJECTS = 1905

THE PERCENTILES

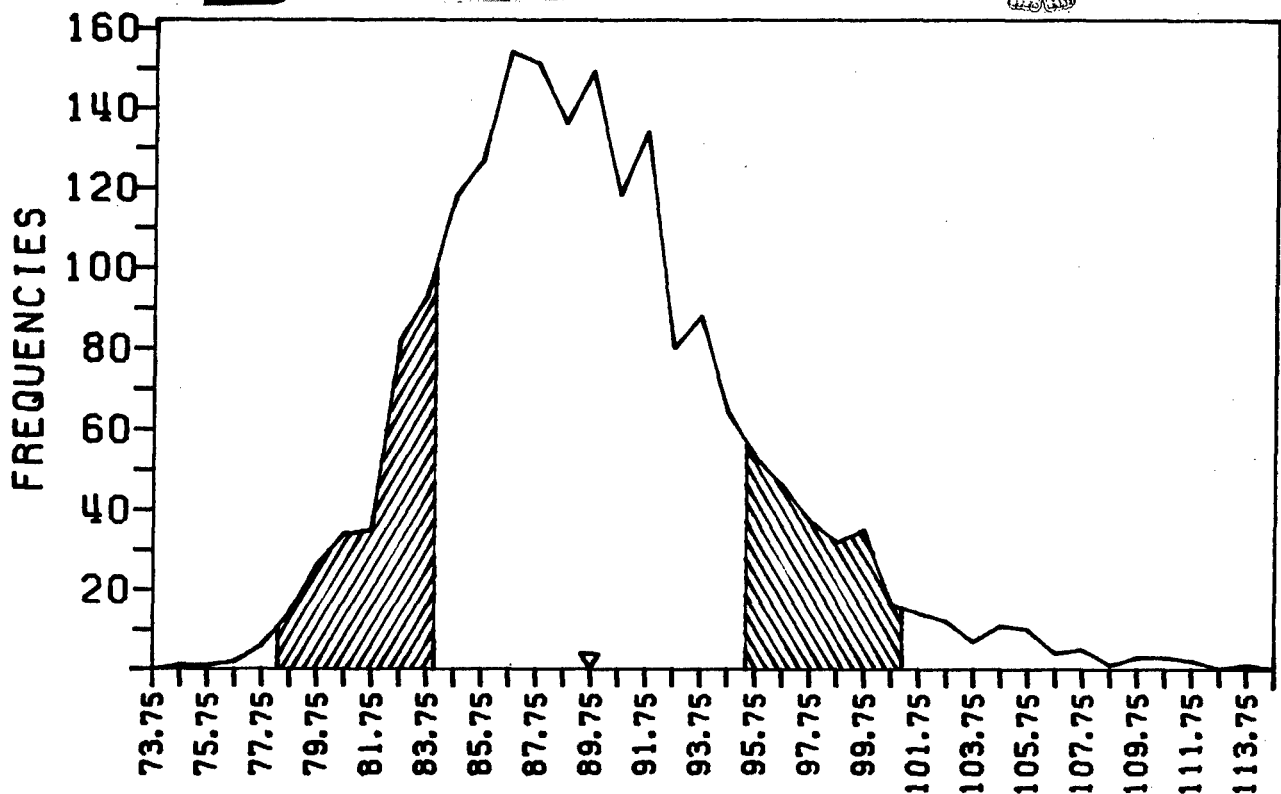
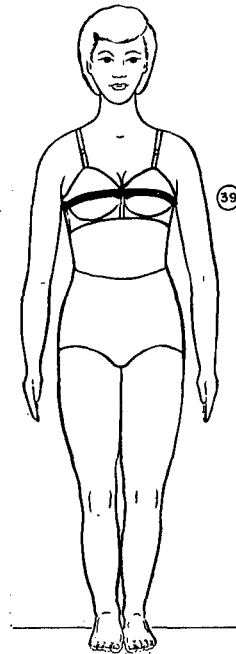
CENTIMETERS

INCHES

98.76	99TH	38.88
96.40	98TH	37.95
95.01	97TH	37.40
93.23	95TH	36.70
90.73	90TH	35.72
89.19	85TH	35.11
88.05	80TH	34.67
87.11	75TH	34.30
86.31	70TH	33.98
85.59	65TH	33.70
84.94	60TH	33.44
84.32	55TH	33.20
83.73	50TH	32.97
83.16	45TH	32.74
82.59	40TH	32.51
82.01	35TH	32.29
81.42	30TH	32.06
80.80	25TH	31.81
80.11	20TH	31.54
79.33	15TH	31.23
78.37	10TH	30.85
76.96	5TH	30.30
76.05	3RD	29.94
75.38	2ND	29.68
74.31	1ST	29.26

(39) BUST CIRCUMFERENCE

Subject stands erect looking straight ahead, heels together, and weight distributed equally on both feet. The arms are abducted sufficiently to allow clearance of a tape between the arms and trunk. With a tape held in a horizontal plane, measure the circumference of the trunk at the level of the bustpoint landmarks. The reading is made at the point of maximum quiet inspiration.



RANGES*	F	CUMF	FPCT	CUMPT
113.25-114.25	1	1905	0.05	100.00
112.25-113.25	0	1904	0.00	99.95
111.25-112.25	2	1904	0.10	99.95
110.25-111.25	3	1902	0.16	99.84
109.25-110.25	3	1899	0.16	99.69
108.25-109.25	1	1896	0.05	99.53
107.25-108.25	5	1895	0.26	99.48
106.25-107.25	4	1890	0.21	99.21
105.25-106.25	10	1886	0.52	99.00
104.25-105.25	11	1876	0.58	98.48
103.25-104.25	7	1865	0.37	97.90
102.25-103.25	12	1858	0.63	97.53
101.25-102.25	14	1846	0.73	96.90
100.25-101.25	16	1832	0.84	96.17
99.25-100.25	35	1816	1.84	95.33
98.25- 99.25	32	1781	1.68	93.49
97.25- 98.25	37	1749	1.94	91.81
96.25- 97.25	46	1712	2.41	89.87
95.25- 96.25	53	1666	2.78	87.45
94.25- 95.25	64	1613	3.36	84.67
93.25- 94.25	88	1549	4.62	81.31
92.25- 93.25	80	1461	4.20	76.69
91.25- 92.25	134	1381	7.03	72.49
90.25- 91.25	118	1247	6.19	65.46
89.25- 90.25	149	1129	7.82	59.27
88.25- 89.25	136	980	7.14	51.44
87.25- 88.25	151	844	7.93	44.30
86.25- 87.25	154	693	8.08	36.38
85.25- 86.25	127	539	6.67	28.29
84.25- 85.25	118	412	6.19	21.63
83.25- 84.25	93	294	4.88	15.43
82.25- 83.25	82	201	4.30	10.55
81.25- 82.25	35	119	1.84	6.25
80.25- 81.25	34	84	1.78	4.41
79.25- 80.25	26	50	1.36	2.62
78.25- 79.25	14	24	0.73	1.26
77.25- 78.25	6	10	0.31	0.52
76.25- 77.25	2	4	0.10	0.21
75.25- 76.25	1	2	0.05	0.10
74.25- 75.25	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS INCHES

89.73 MEAN VALUE 35.33
0.13 SE(MEAN) 0.05
5.70 SD DEVIATION 2.24
0.09 SE(SD DEV) 0.04

SYMMETRY---VETA I = 0.74
KURTOSIS---VETA II = 3.87
COEF. OF VARIATION = 6.3%

NUMBER OF SUBJECTS = 1905

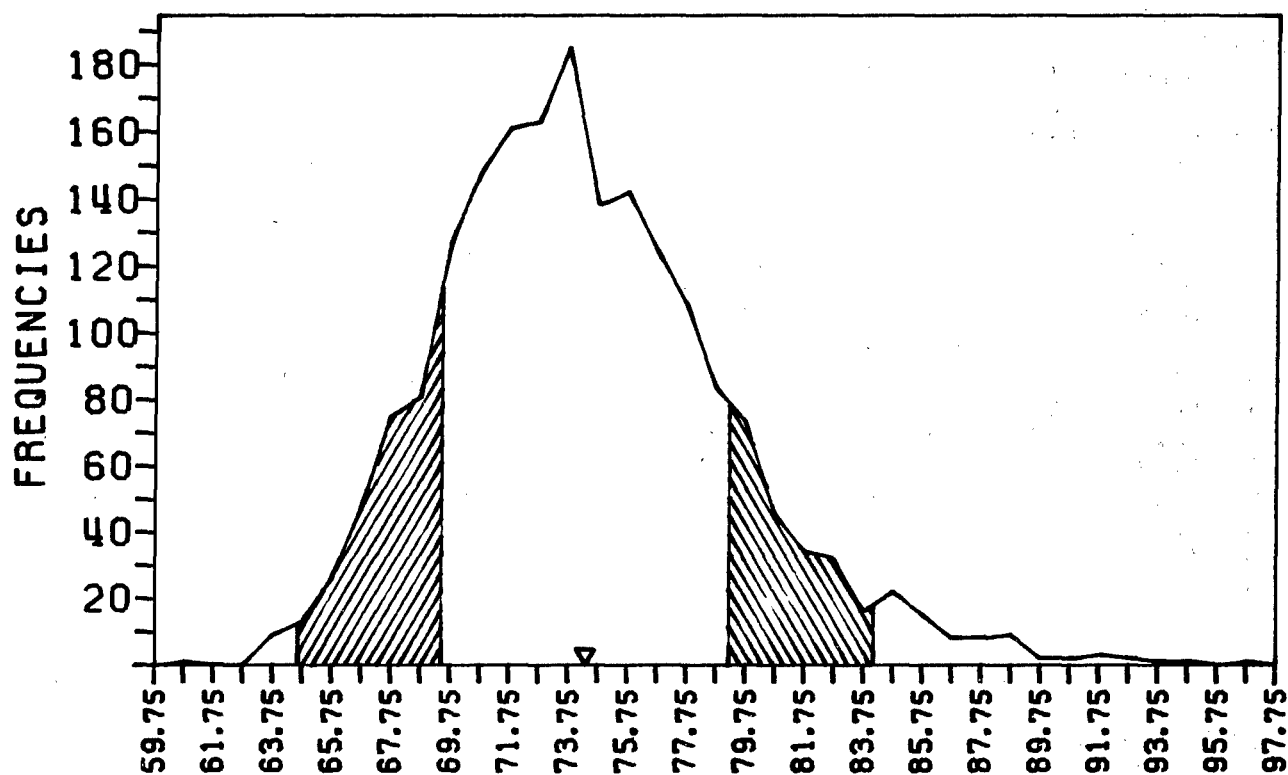
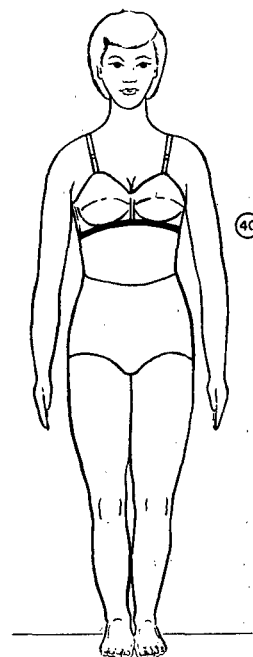
THE PERCENTILES

CENTIMETERS INCHES

106.58	99TH	41.96
103.91	98TH	40.91
102.30	97TH	40.28
100.23	95TH	39.46
97.27	90TH	38.29
95.43	85TH	37.57
94.07	80TH	37.04
92.95	75TH	36.60
92.00	70TH	36.22
91.16	65TH	35.89
90.39	60TH	35.59
89.67	55TH	35.30
88.99	50TH	35.04
88.33	45TH	34.78
87.69	40TH	34.52
87.04	35TH	34.27
86.39	30TH	34.01
85.70	25TH	33.74
84.96	20TH	33.45
84.12	15TH	33.12
83.10	10TH	32.72
81.61	5TH	32.13
80.64	3RD	31.75
79.91	2ND	31.46
78.72	1ST	30.99

(40) CHEST CIRCUMFERENCE, BELOW BUST

Subject stands erect looking straight ahead, heels together, and weight distributed equally on both feet. The arms are abducted sufficiently to allow clearance of a tape between the arms and trunk. With a tape held in a horizontal plane, measure the circumference of the trunk at a level just below the cups of the bra. The reading is made at the point of maximum quiet inspiration.



RANGES*	F	CUMF	FPCT	CUMPCT
96.25- 97.25	1	1905	0.05	100.00
95.25- 96.25	0	1904	0.00	99.95
94.25- 95.25	1	1904	0.05	99.95
93.25- 94.25	1	1903	0.05	99.90
92.25- 93.25	2	1902	0.10	99.84
91.25- 92.25	3	1900	0.16	99.74
90.25- 91.25	2	1897	0.10	99.58
89.25- 90.25	2	1895	0.10	99.48
88.25- 89.25	9	1893	0.47	99.37
87.25- 88.25	8	1884	0.42	98.90
86.25- 87.25	8	1876	0.42	98.48
85.25- 86.25	15	1868	0.79	98.06
84.25- 85.25	22	1853	1.15	97.27
83.25- 84.25	16	1831	0.84	96.12
82.25- 83.25	32	1815	1.68	95.28
81.25- 82.25	34	1783	1.78	93.60
80.25- 81.25	45	1749	2.36	91.81
79.25- 80.25	73	1704	3.83	89.45
78.25- 79.25	83	1631	4.36	85.62
77.25- 78.25	108	1548	5.67	81.26
76.25- 77.25	124	1440	6.51	75.59
75.25- 76.25	142	1316	7.45	69.08
74.25- 75.25	138	1174	7.24	61.63
73.25- 74.25	185	1036	9.71	54.38
72.25- 73.25	163	851	8.56	44.67
71.25- 72.25	161	688	8.45	36.12
70.25- 71.25	148	527	7.77	27.66
69.25- 70.25	127	379	6.67	19.90
68.25- 69.25	81	252	4.25	13.23
67.25- 68.25	75	171	3.94	8.98
66.25- 67.25	47	96	2.47	5.04
65.25- 66.25	26	49	1.36	2.57
64.25- 65.25	13	23	0.68	1.21
63.25- 64.25	9	10	0.47	0.52
62.25- 63.25	0	1	0.00	0.05
61.25- 62.25	0	1	0.00	0.05
60.25- 61.25	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS INCHES

74.33 MEAN VALUE 29.26
0.11 SE(MEAN) 0.04
4.87 SD DEVIATION 1.92
0.08 SE(SD DEV) 0.03

SYMMETRY---VETA I = 0.68
KURTOSIS---VETA II = 3.87
COEF. OF VARIATION = 6.5%

NUMBER OF SUBJECTS = 1905

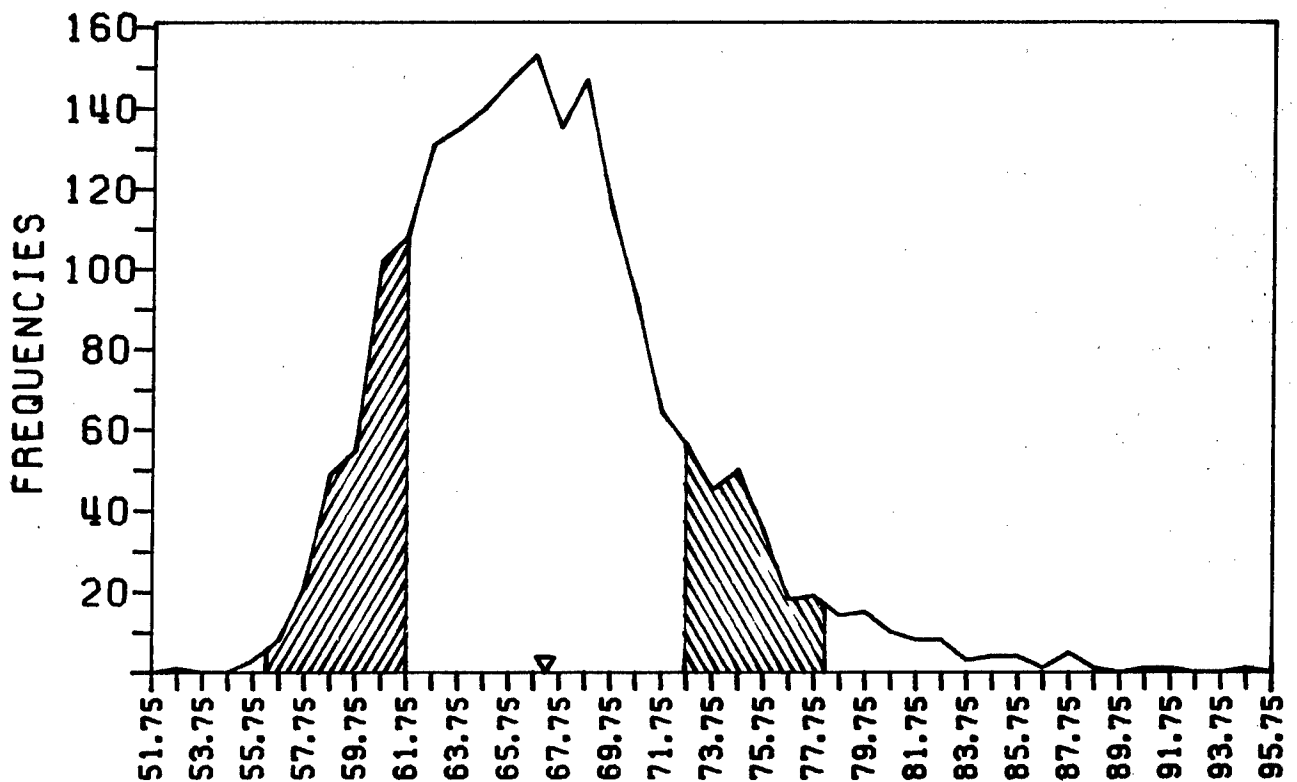
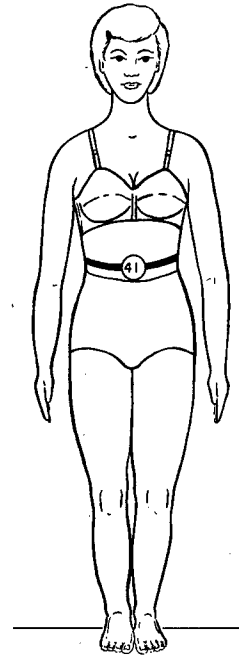
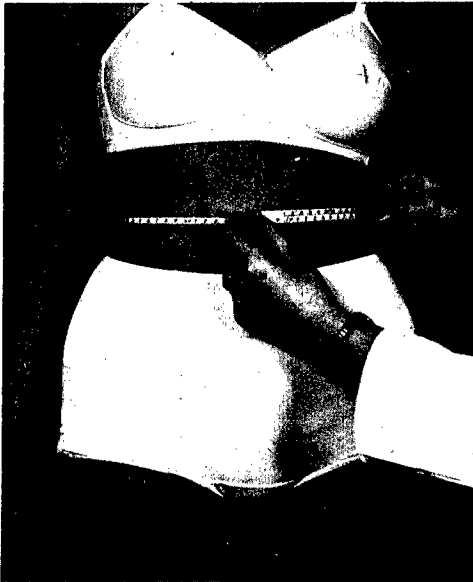
THE PERCENTILES

CENTIMETERS INCHES

88.53	99TH	34.85
86.19	98TH	33.93
84.82	97TH	33.39
83.08	95TH	32.71
80.65	90TH	31.75
79.15	85TH	31.16
78.04	80TH	30.73
77.13	75TH	30.37
76.34	70TH	30.06
75.65	65TH	29.78
75.00	60TH	29.53
74.40	55TH	29.29
73.82	50TH	29.06
73.25	45TH	28.84
72.69	40TH	28.62
72.12	35TH	28.39
71.54	30TH	28.16
70.92	25TH	27.92
70.25	20TH	27.66
69.49	15TH	27.36
68.55	10TH	26.99
67.23	5TH	26.47
66.41	3RD	26.15
65.83	2ND	25.92
64.95	1ST	25.57

(41) WAIST CIRCUMFERENCE

Subject stands erect looking straight ahead, heels together, and weight distributed equally on both feet. With a tape held in a horizontal plane, measure the circumference of the trunk at the level of the waist landmarks. The reading is made at the point of maximum quiet inspiration. The subject must not pull in her stomach.



RANGES*	F	CUMF	FPCT	CUMPCT
94.25- 95.25	1	1905	0.05	100.00
93.25- 94.25	0	1904	0.00	99.95
92.25- 93.25	0	1904	0.00	99.95
91.25- 92.25	1	1904	0.05	99.95
90.25- 91.25	1	1903	0.05	99.90
89.25- 90.25	0	1902	0.00	99.84
88.25- 89.25	1	1902	0.05	99.84
87.25- 88.25	5	1901	0.26	99.79
86.25- 87.25	1	1896	0.05	99.53
85.25- 86.25	4	1895	0.21	99.48
84.25- 85.25	4	1891	0.21	99.27
83.25- 84.25	3	1887	0.16	99.06
82.25- 83.25	8	1884	0.42	98.90
81.25- 82.25	8	1876	0.42	98.48
80.25- 81.25	10	1868	0.52	98.06
79.25- 80.25	15	1858	0.79	97.53
78.25- 79.25	14	1843	0.73	96.75
77.25- 78.25	19	1829	1.00	96.01
76.25- 77.25	18	1810	0.94	95.01
75.25- 76.25	35	1792	1.84	94.07
74.25- 75.25	50	1757	2.62	92.23
73.25- 74.25	45	1707	2.36	89.61
72.25- 73.25	56	1662	2.94	87.24
71.25- 72.25	64	1606	3.36	84.30
70.25- 71.25	92	1542	4.83	80.94
69.25- 70.25	115	1450	6.04	76.12
68.25- 69.25	147	1335	7.72	70.08
67.25- 68.25	135	1188	7.09	62.36
66.25- 67.25	153	1053	8.03	55.28
65.25- 66.25	147	900	7.72	47.24
64.25- 65.25	140	753	7.35	39.53
63.25- 64.25	135	613	7.09	32.18
62.25- 63.25	131	478	6.88	25.09
61.25- 62.25	108	347	5.67	18.22
60.25- 61.25	102	239	5.35	12.55
59.25- 60.25	55	137	2.89	7.19
58.25- 59.25	49	82	2.57	4.30
57.25- 58.25	21	33	1.10	1.73
56.25- 57.25	8	12	0.42	0.63
55.25- 56.25	3	4	0.16	0.21
54.25- 55.25	0	1	0.00	0.05
53.25- 54.25	0	1	0.00	0.05
52.25- 53.25	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS INCHES

67.20 MEAN VALUE 26.46
0.13 SE(MEAN) 0.05
5.48 SD DEVIATION 2.16
0.09 SE(SD DEV) 0.03

SYMMETRY---VETA I = 0.88
KURTOSIS---VETA II = 4.36
COEF. OF VARIATION = 8.1%

NUMBER OF SUBJECTS = 1905

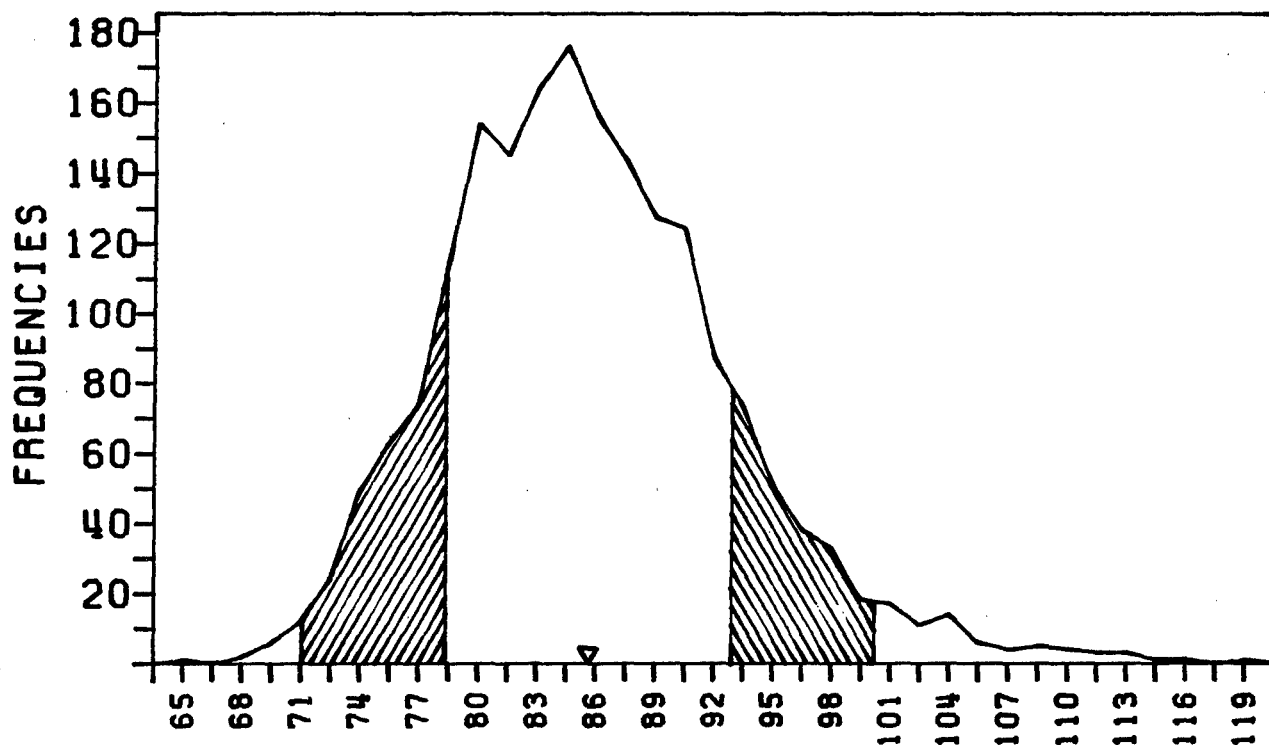
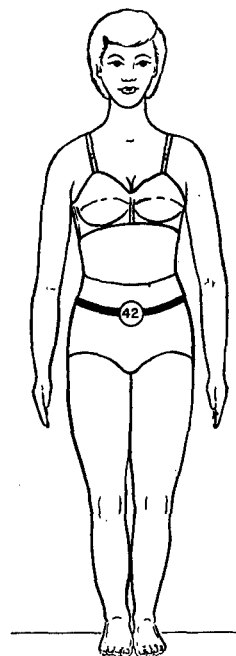
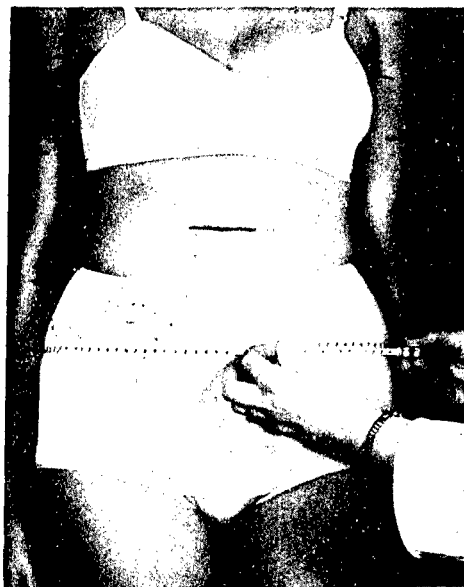
THE PERCENTILES

CENTIMETERS INCHES

84.03	99TH	33.08
81.08	98TH	31.92
79.37	97TH	31.25
77.24	95TH	30.41
74.32	90TH	29.26
72.57	85TH	28.57
71.28	80TH	28.06
70.23	75TH	27.65
69.34	70TH	27.30
68.54	65TH	26.99
67.82	60TH	26.70
67.14	55TH	26.43
66.48	50TH	26.17
65.85	45TH	25.93
65.23	40TH	25.68
64.60	35TH	25.43
63.96	30TH	25.18
63.29	25TH	24.92
62.57	20TH	24.63
61.76	15TH	24.32
60.80	10TH	23.94
59.50	5TH	23.43
58.76	3RD	23.13
58.27	2ND	22.94
57.61	1ST	22.68

(42) ABDOMINAL EXTENSION CIRCUMFERENCE

Subject stands erect looking straight ahead, heels together, and weight distributed equally on both feet. With a tape held in a horizontal plane, measure the circumference of the trunk at the level of the abdominal extension landmark. The reading is made at the point of maximum quiet inspiration. The subject must not pull in her stomach.



RANGES*	F	CUMF	FPCT	CUMPCT
118.25-119.75	1	1905	0.05	100.00
116.75-118.25	0	1904	0.00	99.95
115.25-116.75	1	1904	0.05	99.95
113.75-115.25	1	1903	0.05	99.90
112.25-113.75	3	1902	0.16	99.84
110.75-112.25	3	1899	0.16	99.69
109.25-110.75	4	1896	0.21	99.53
107.75-109.25	5	1892	0.26	99.32
106.25-107.75	4	1887	0.21	99.06
104.75-106.25	6	1883	0.31	98.85
103.25-104.75	14	1877	0.73	98.53
101.75-103.25	11	1863	0.58	97.80
100.25-101.75	17	1852	0.89	97.22
98.75-100.25	18	1835	0.94	96.33
97.25-98.75	33	1817	1.73	95.38
95.75-97.25	38	1784	1.99	93.65
94.25-95.75	51	1746	2.68	91.65
92.75-94.25	73	1695	3.83	88.98
91.25-92.75	87	1622	4.57	85.14
89.75-91.25	124	1535	6.51	80.58
88.25-89.75	127	1411	6.67	74.07
86.75-88.25	143	1284	7.51	67.40
85.25-86.75	156	1141	8.19	59.90
83.75-85.25	176	985	9.24	51.71
82.25-83.75	164	809	8.61	42.47
80.75-82.25	145	645	7.61	33.86
79.25-80.75	154	500	8.08	26.25
77.75-79.25	115	346	6.04	18.16
76.25-77.75	74	231	3.88	12.13
74.75-76.25	63	157	3.31	8.24
73.25-74.75	49	94	2.57	4.93
71.75-73.25	24	45	1.26	2.36
70.25-71.75	12	21	0.63	1.10
68.75-70.25	6	9	0.31	0.47
67.25-68.75	2	3	0.10	0.16
65.75-67.25	0	1	0.00	0.05
64.25-65.75	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS INCHES

85.64 MEAN VALUE 33.72
0.17 SE(MEAN) 0.07
7.28 SD DEVIATION 2.87
0.12 SE(SD DEV) 0.05

SYMMETRY---VETA I = 0.65
KURTOSIS---VETA II = 3.93
COEF. OF VARIATION = 8.5%

NUMBER OF SUBJECTS = 1905

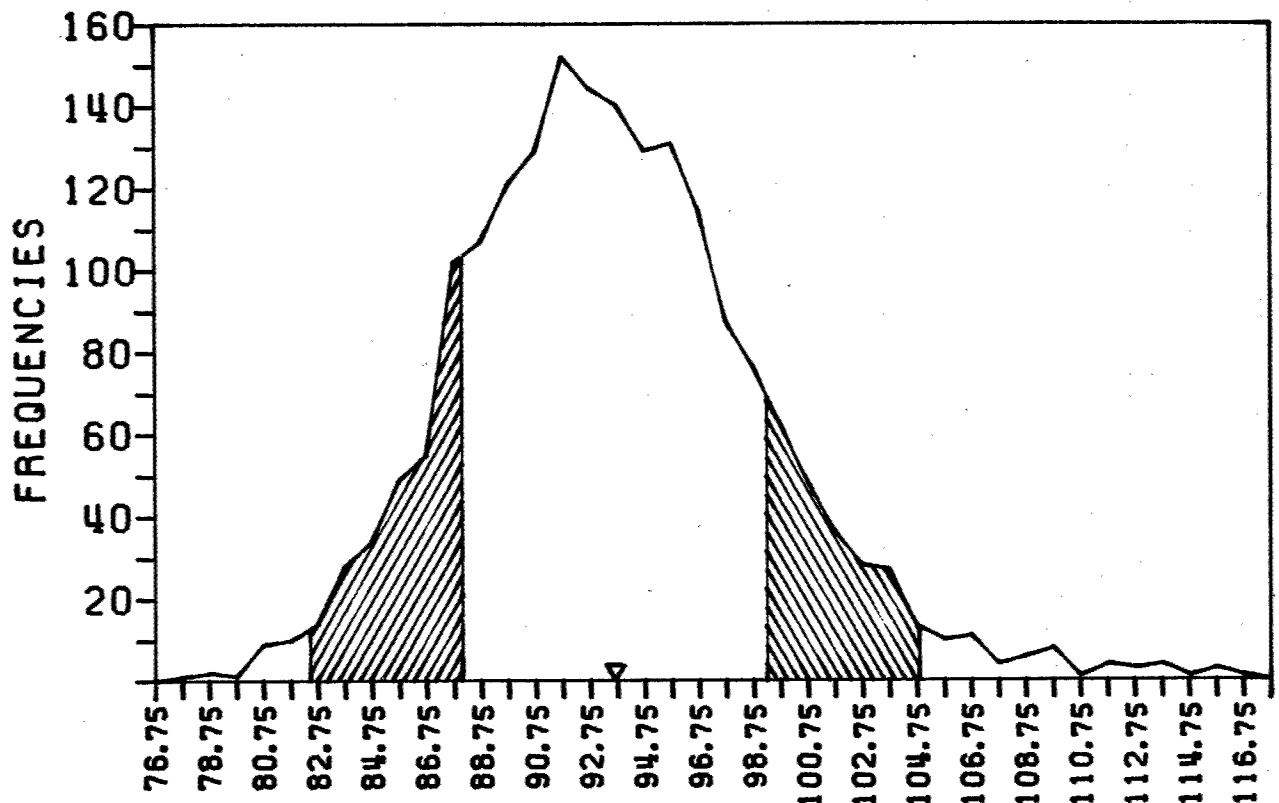
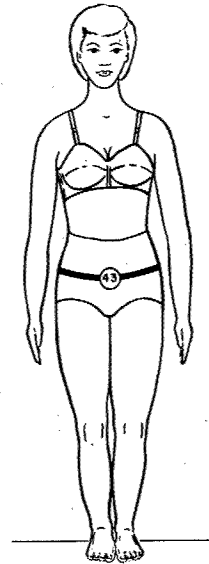
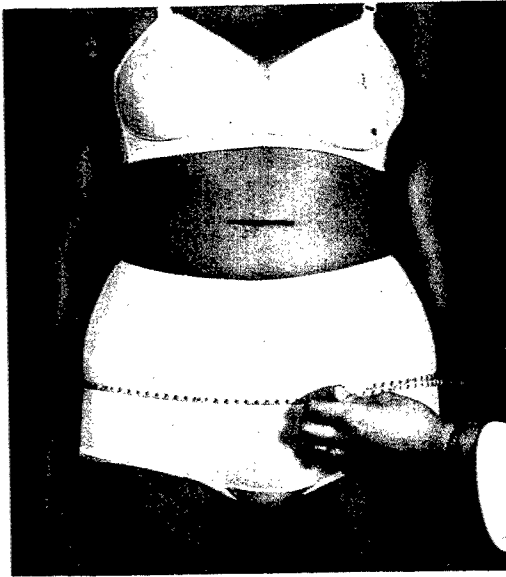
THE PERCENTILES

CENTIMETERS INCHES

107.41	99TH	42.29
103.52	98TH	40.76
101.32	97TH	39.89
98.60	95TH	38.82
94.93	90TH	37.38
92.74	85TH	36.51
91.14	80TH	35.88
89.82	75TH	35.36
88.70	70TH	34.92
87.69	65TH	34.52
86.76	60TH	34.16
85.87	55TH	33.81
85.02	50TH	33.47
84.17	45TH	33.14
83.33	40TH	32.81
82.48	35TH	32.47
81.58	30TH	32.12
80.63	25TH	31.74
79.57	20TH	31.33
78.38	15TH	30.86
76.90	10TH	30.28
74.83	5TH	29.46
73.59	3RD	28.97
72.74	2ND	28.64
71.57	1ST	28.18

(43) HIP CIRCUMFERENCE - SEVEN INCHES BELOW WAIST LEVEL

Subject stands erect looking straight ahead, heels together, and weight distributed equally on both feet. With a tape held in a horizontal plane, measure the circumference of the trunk at the level of the 7-inch hip landmarks. The reading is made at the point of maximum quiet inspiration. The subject must not pull in her stomach.



RANGES*	F	CUMF	FPCT	CUMPCCT
116.25-117.25	1	1905	0.05	100.00
115.25-116.25	3	1904	0.16	99.95
114.25-115.25	1	1901	0.05	99.79
113.25-114.25	4	1900	0.21	99.74
112.25-113.25	3	1896	0.16	99.53
111.25-112.25	4	1893	0.21	99.37
110.25-111.25	1	1889	0.05	99.16
109.25-110.25	8	1888	0.42	99.11
108.25-109.25	6	1880	0.31	98.69
107.25-108.25	4	1874	0.21	98.37
106.25-107.25	11	1870	0.58	98.16
105.25-106.25	10	1859	0.52	97.59
104.25-105.25	13	1849	0.68	97.06
103.25-104.25	27	1836	1.42	96.38
102.25-103.25	28	1809	1.47	94.96
101.25-102.25	36	1781	1.89	93.49
100.25-101.25	48	1745	2.52	91.60
99.25-100.25	62	1697	3.25	89.08
98.25- 99.25	76	1635	3.99	85.83
97.25- 98.25	87	1559	4.57	81.84
96.25- 97.25	114	1472	5.98	77.27
95.25- 96.25	131	1358	6.88	71.29
94.25- 95.25	129	1227	6.77	64.41
93.25- 94.25	140	1098	7.35	57.64
92.25- 93.25	144	958	7.56	50.29
91.25- 92.25	152	814	7.98	42.73
90.25- 91.25	129	662	6.77	34.75
89.25- 90.25	121	533	6.35	27.98
88.25- 89.25	107	412	5.62	21.63
87.25- 88.25	102	305	5.35	16.01
86.25- 87.25	55	203	2.89	10.66
85.25- 86.25	49	148	2.57	7.77
84.25- 85.25	34	99	1.78	5.20
83.25- 84.25	28	65	1.47	3.41
82.25- 83.25	14	37	0.73	1.94
81.25- 82.25	10	23	0.52	1.21
80.25- 81.25	9	13	0.47	0.68
79.25- 80.25	1	4	0.05	0.21
78.25- 79.25	2	3	0.10	0.16
77.25- 78.25	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS INCHES

93.64 MEAN VALUE 36.86
0.13 SE(MEAN) 0.05
5.59 SD DEVIATION 2.20
0.09 SE(SD DEV) 0.04

SYMMETRY---VETA I = 0.57
KURTOSIS---VETA II = 3.93
COEF. OF VARIATION = 6.0%

NUMBER OF SUBJECTS = 1905

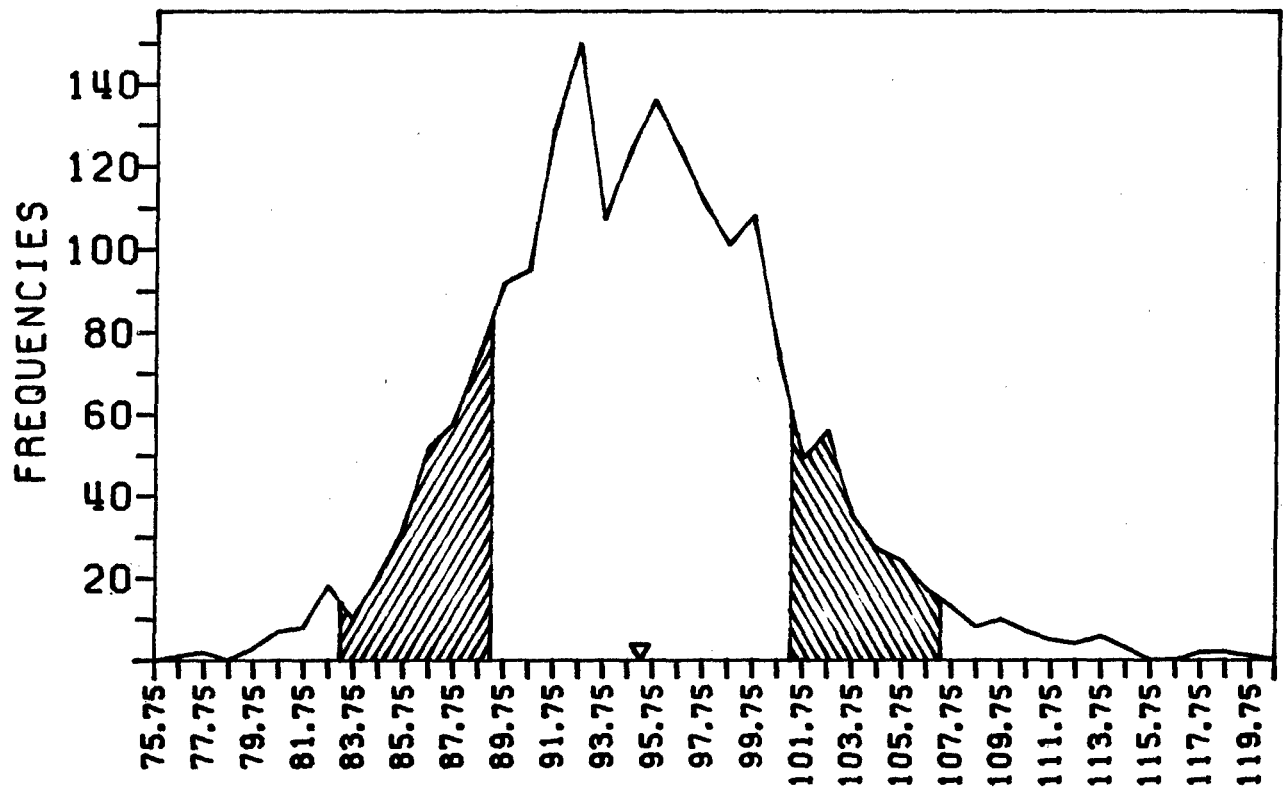
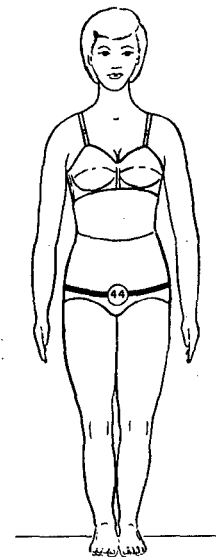
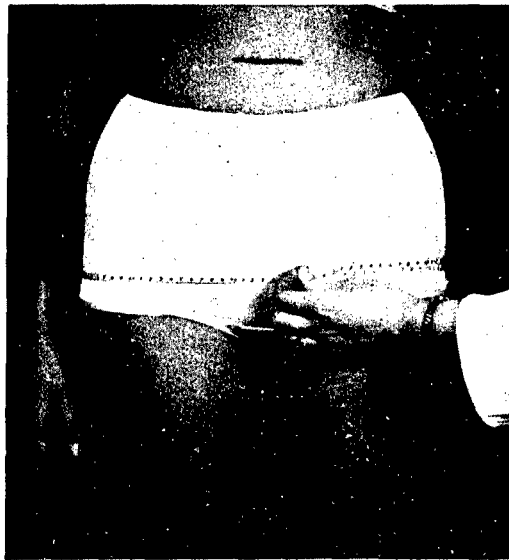
THE PERCENTILES

CENTIMETERS INCHES

109.87	99TH	43.26
106.99	98TH	42.12
105.35	97TH	41.48
103.33	95TH	40.68
100.61	90TH	39.61
98.99	85TH	38.97
97.80	80TH	38.51
96.83	75TH	38.12
95.99	70TH	37.79
95.24	65TH	37.50
94.54	60TH	37.22
93.88	55TH	36.96
93.24	50TH	36.71
92.60	45TH	36.46
91.96	40TH	36.21
91.31	35TH	35.95
90.62	30TH	35.68
89.87	25TH	35.38
89.04	20TH	35.06
88.08	15TH	34.68
86.87	10TH	34.20
85.10	5TH	33.50
83.98	3RD	33.06
83.17	2ND	32.74
81.97	1ST	32.27

(44) HIP CIRCUMFERENCE - NINE INCHES BELOW WAIST LEVEL

Subject stands erect looking straight ahead, heels together, and weight distributed equally on both feet. With a tape held in a horizontal plane, measure the circumference of the trunk at the level of the 9-inch hip landmarks.



RANGES*	F	CUMF	FPCT	CUMPCT
119.25-120.25	1	1905	0.05	100.00
118.25-119.25	2	1904	0.10	99.95
117.25-118.25	2	1902	0.10	99.84
116.25-117.25	0	1900	0.00	99.74
115.25-116.25	0	1900	0.00	99.74
114.25-115.25	3	1900	0.16	99.74
113.25-114.25	6	1897	0.31	99.58
112.25-113.25	4	1891	0.21	99.27
111.25-112.25	5	1887	0.26	99.06
110.25-111.25	7	1882	0.37	98.79
109.25-110.25	10	1875	0.52	98.43
108.25-109.25	8	1865	0.42	97.90
107.25-108.25	13	1857	0.68	97.48
106.25-107.25	17	1844	0.89	96.80
105.25-106.25	24	1827	1.26	95.91
104.25-105.25	27	1803	1.42	94.65
103.25-104.25	35	1776	1.84	93.23
102.25-103.25	56	1741	2.94	91.39
101.25-102.25	49	1685	2.57	88.45
100.25-101.25	75	1636	3.94	85.88
99.25-100.25	108	1561	5.67	81.94
98.25- 99.25	101	1453	5.30	76.27
97.25- 98.25	111	1352	5.83	70.97
96.25- 97.25	124	1241	6.51	65.14
95.25- 96.25	136	1117	7.14	58.64
94.25- 95.25	123	981	6.46	51.50
93.25- 94.25	107	858	5.62	45.04
92.25- 93.25	150	751	7.87	39.42
91.25- 92.25	129	601	6.77	31.55
90.25- 91.25	95	472	4.99	24.78
89.25- 90.25	92	377	4.83	19.79
88.25- 89.25	74	285	3.88	14.96
87.25- 88.25	58	211	3.04	11.08
86.25- 87.25	52	153	2.73	8.03
85.25- 86.25	32	101	1.68	5.30
84.25- 85.25	20	69	1.05	3.62
83.25- 84.25	10	49	0.52	2.57
82.25- 83.25	18	39	0.94	2.05
81.25- 82.25	8	21	0.42	1.10
80.25- 81.25	7	13	0.37	0.68
79.25- 80.25	3	6	0.16	0.31
78.25- 79.25	0	3	0.00	0.16
77.25- 78.25	2	3	0.10	0.16
76.25- 77.25	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS INCHES

95.27 MEAN VALUE 37.51
0.14 SE(MEAN) 0.05
6.02 SD DEVIATION 2.37
0.10 SE(SD DEV) 0.04

SYMMETRY---VETA I = 0.37
KURTOSIS---VETA II = 3.63
COEF. OF VARIATION = 6.3%

NUMBER OF SUBJECTS = 1905

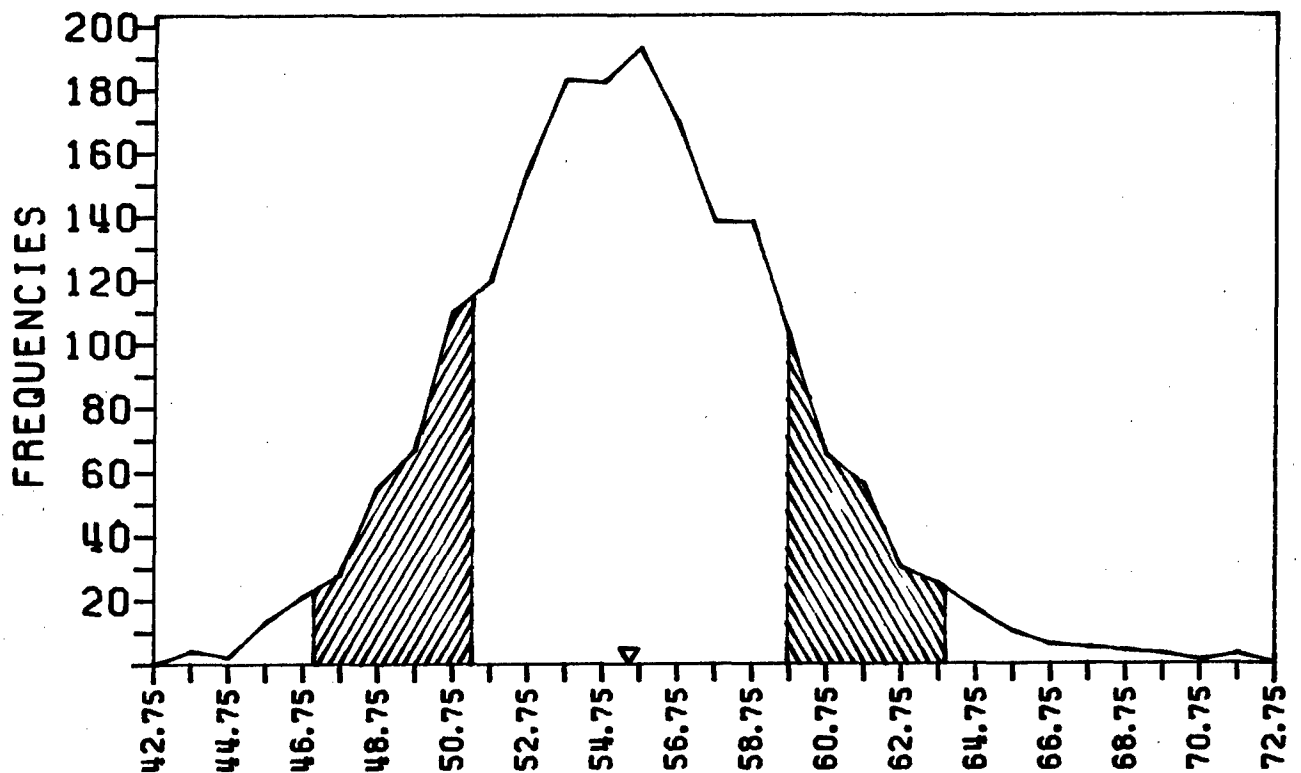
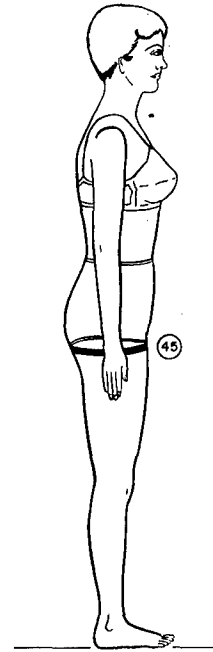
THE PERCENTILES

CENTIMETERS INCHES

112.06	99TH	44.12
109.26	98TH	43.02
107.65	97TH	42.38
105.63	95TH	41.59
102.85	90TH	40.49
101.15	85TH	39.82
99.90	80TH	39.33
98.85	75TH	38.92
97.95	70TH	38.56
97.14	65TH	38.25
96.39	60TH	37.95
95.67	55TH	37.66
94.96	50TH	37.39
94.27	45TH	37.11
93.57	40TH	36.84
92.84	35TH	36.55
92.08	30TH	36.25
91.26	25TH	35.93
90.34	20TH	35.57
89.26	15TH	35.14
87.89	10TH	34.60
85.84	5TH	33.79
84.50	3RD	33.27
83.51	2ND	32.88
81.96	1ST	32.27

(45) UPPER THIGH CIRCUMFERENCE

Subject stands erect, heels approximately 10 cm apart, and weight distributed equally on both feet. With a tape held in a plane perpendicular to the long axis of the right thigh, measure the circumference of the thigh at the level of the lowest point on the gluteal furrow. Where the furrow is deeply indented, the measurement is made just distal to the furrow.



CENTIMETERS INCHES

55.48 MEAN VALUE 21.84
0.10 SE(MEAN) 0.04
4.22 SD DEVIATION 1.66
0.07 SE(SD DEV) 0.03

SYMMETRY---VETA I = 0.32
KURTOSIS---VETA II = 3.42
COEF. OF VARIATION = 7.6%

NUMBER OF SUBJECTS = 1905

THE PERCENTILES

CENTIMETERS INCHES

66.70	99TH	26.26
64.93	98TH	25.56
63.90	97TH	25.16
62.61	95TH	24.65
60.79	90TH	23.93
59.66	85TH	23.49
58.80	80TH	23.15
58.08	75TH	22.87
57.45	70TH	22.62
56.88	65TH	22.39
56.34	60TH	22.18
55.83	55TH	21.98
55.32	50TH	21.78
54.81	45TH	21.58
54.30	40TH	21.38
53.77	35TH	21.17
53.22	30TH	20.95
52.61	25TH	20.71
51.94	20TH	20.45
51.16	15TH	20.14
50.17	10TH	19.75
48.74	5TH	19.19
47.84	3RD	18.84
47.20	2ND	18.58
46.25	1ST	18.21

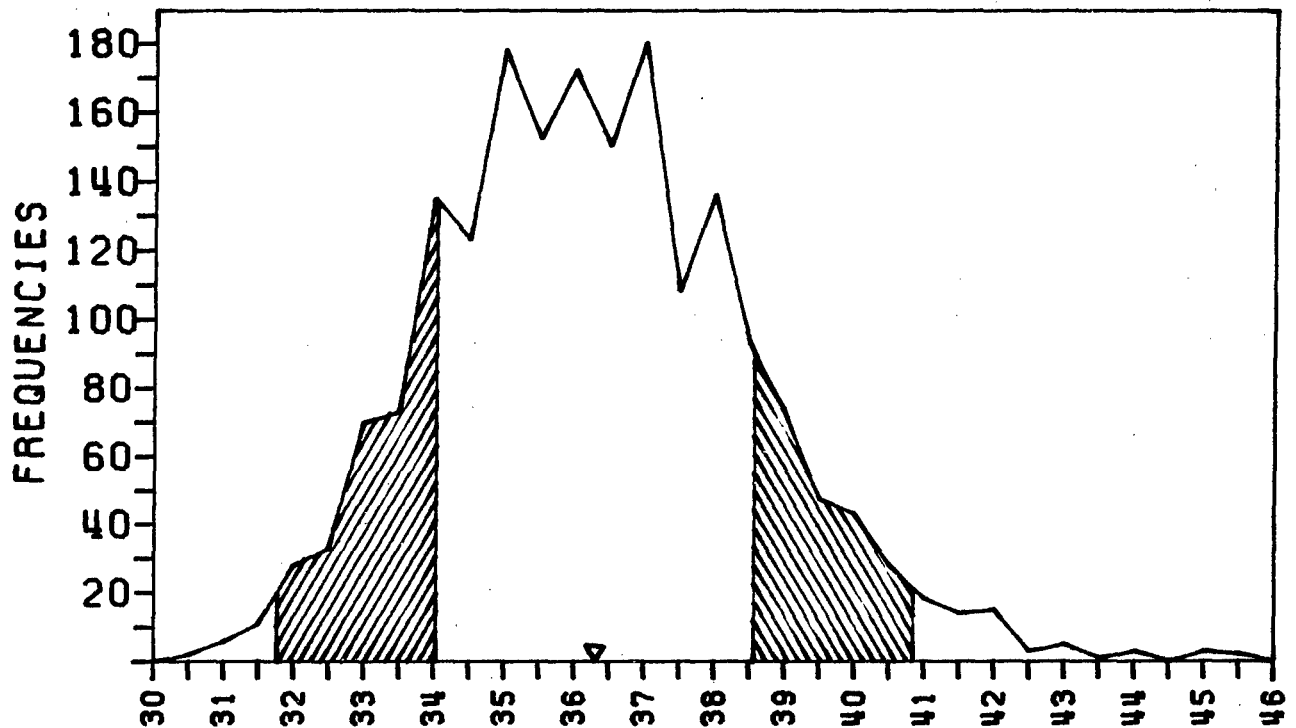
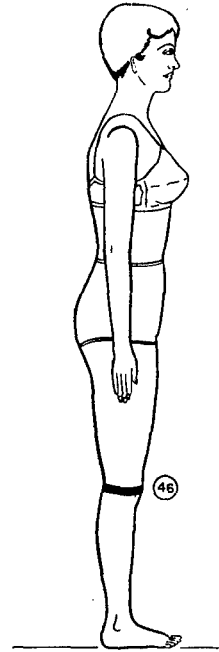
RANGES* F CUMF FPCT CUMPC

71.25- 72.25	3	1905	0.16	100.00
70.25- 71.25	1	1902	0.05	99.84
69.25- 70.25	3	1901	0.16	99.79
68.25- 69.25	4	1898	0.21	99.63
67.25- 68.25	5	1894	0.26	99.42
66.25- 67.25	6	1889	0.31	99.16
65.25- 66.25	10	1883	0.52	98.85
64.25- 65.25	17	1873	0.89	98.32
63.25- 64.25	25	1856	1.31	97.43
62.25- 63.25	30	1831	1.57	96.12
61.25- 62.25	56	1801	2.94	94.54
60.25- 61.25	65	1745	3.41	91.60
59.25- 60.25	102	1680	5.35	88.19
58.25- 59.25	138	1578	7.24	82.83
57.25- 58.25	138	1440	7.24	75.59
56.25- 57.25	169	1302	8.87	68.35
55.25- 56.25	193	1133	10.13	59.48
54.25- 55.25	182	940	9.55	49.34
53.25- 54.25	183	758	9.61	39.79
52.25- 53.25	155	575	8.14	30.18
51.25- 52.25	120	420	6.30	22.05
50.25- 51.25	110	300	5.77	15.75
49.25- 50.25	67	190	3.52	9.97
48.25- 49.25	55	123	2.89	6.46
47.25- 48.25	28	68	1.47	3.57
46.25- 47.25	21	40	1.10	2.10
45.25- 46.25	13	19	0.68	1.00
44.25- 45.25	2	6	0.10	0.31
43.25- 44.25	4	4	0.21	0.21

*IN CENTIMETERS

(46) KNEE CIRCUMFERENCE

Subject stands erect, heels approximately 10 cm apart, and weight distributed equally on both feet. With a tape held in a plane perpendicular to the long axis of the right leg, measure the circumference of the knee at the level of the midpatella landmark. The subject must not tense her knee during the measurement.



CENTIMETERS INCHES

36.30 MEAN VALUE 14.29
0.05 SE(MEAN) 0.02
2.27 SD DEVIATION 0.89
0.04 SE(SD DEV) 0.01

SYMMETRY---VETA I = 0.45
KURTOSIS---VETA II = 3.44
COEF. OF VARIATION = 6.2%

NUMBER OF SUBJECTS = 1905

THE PERCENTILES

CENTIMETERS INCHES

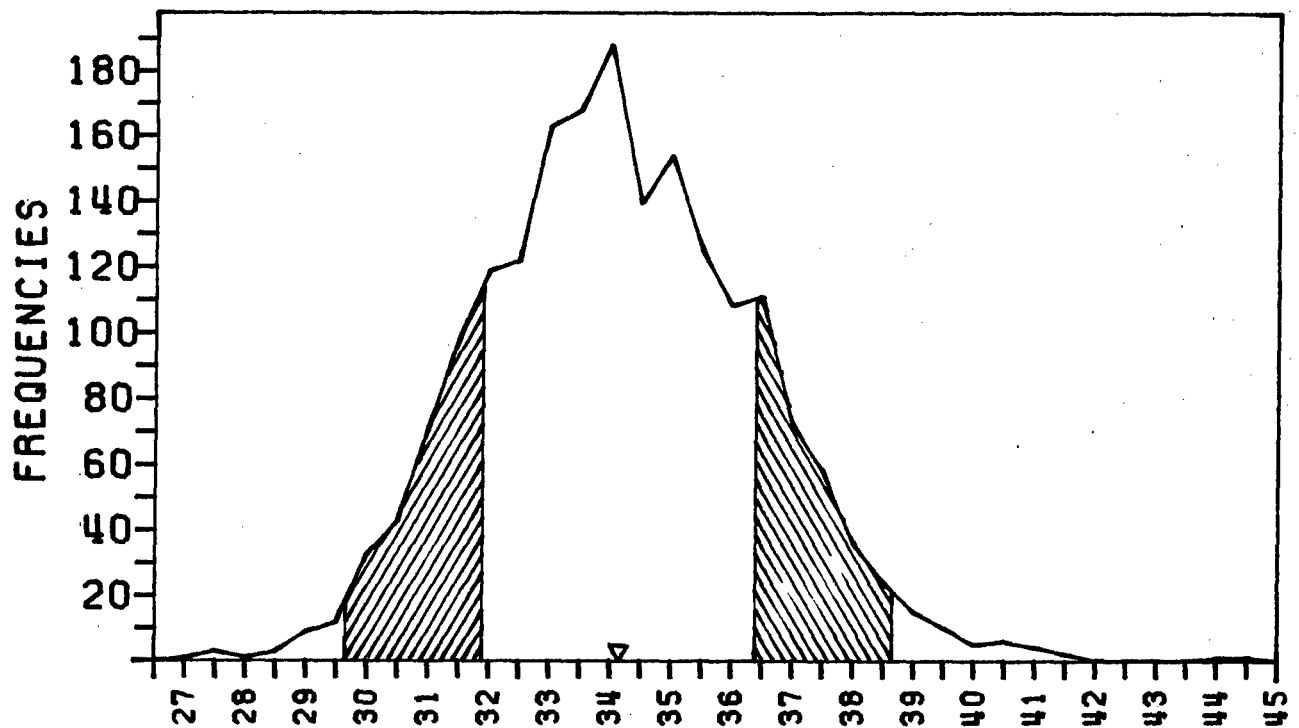
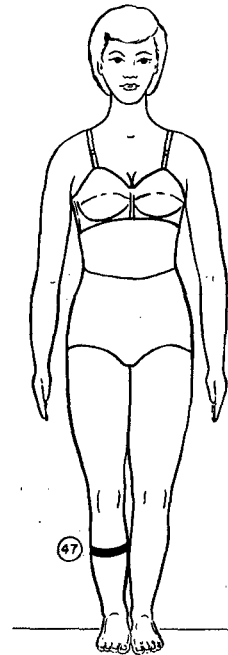
42.25	99TH	16.63
41.42	98TH	16.31
40.91	97TH	16.11
40.24	95TH	15.84
39.26	90TH	15.46
38.62	85TH	15.21
38.14	80TH	15.01
37.73	75TH	14.85
37.37	70TH	14.71
37.04	65TH	14.58
36.73	60TH	14.46
36.44	55TH	14.35
36.16	50TH	14.24
35.88	45TH	14.13
35.60	40TH	14.02
35.32	35TH	13.90
35.02	30TH	13.79
34.71	25TH	13.66
34.36	20TH	13.53
33.98	15TH	13.38
33.50	10TH	13.19
32.83	5TH	12.93
32.43	3RD	12.77
32.14	2ND	12.65
31.72	1ST	12.49

RANGES*	F	CUMF	FPCT	CUMPC
45.25- 45.75	2	1905	0.10	100.00
44.75- 45.25	3	1903	0.16	99.90
44.25- 44.75	0	1900	0.00	99.74
43.75- 44.25	3	1900	0.16	99.74
43.25- 43.75	1	1897	0.05	99.58
42.75- 43.25	5	1896	0.26	99.53
42.25- 42.75	3	1891	0.16	99.27
41.75- 42.25	15	1888	0.79	99.11
41.25- 41.75	14	1873	0.73	98.32
40.75- 41.25	18	1859	0.94	97.59
40.25- 40.75	28	1841	1.47	96.64
39.75- 40.25	43	1813	2.26	95.17
39.25- 39.75	47	1770	2.47	92.91
38.75- 39.25	73	1723	3.83	90.45
38.25- 38.75	93	1650	4.88	86.61
37.75- 38.25	136	1557	7.14	81.73
37.25- 37.75	108	1421	5.67	74.59
36.75- 37.25	180	1313	9.45	68.92
36.25- 36.75	150	1133	7.87	59.48
35.75- 36.25	172	983	9.03	51.60
35.25- 35.75	152	811	7.98	42.57
34.75- 35.25	178	659	9.34	34.59
34.25- 34.75	123	481	6.46	25.25
33.75- 34.25	135	358	7.09	18.79
33.25- 33.75	73	223	3.83	11.71
32.75- 33.25	70	150	3.67	7.87
32.25- 32.75	33	80	1.73	4.20
31.75- 32.25	28	47	1.47	2.47
31.25- 31.75	11	19	0.58	1.00
30.75- 31.25	6	8	0.31	0.42
30.25- 30.75	2	2	0.10	0.10

*IN CENTIMETERS

(47) CALF CIRCUMFERENCE, RIGHT

Subject stands erect, heels approximately 10 cm apart, and weight distributed equally on both feet. With a tape held in a plane perpendicular to the long axis of the right lower leg, measure the circumference of the calf at the level of the calf landmark.



RANGES*	F	CUMF	FPCT	CUMPCT
44.25- 44.75	1	1905	0.05	100.00
43.75- 44.25	1	1904	0.05	99.95
43.25- 43.75	0	1903	0.00	99.90
42.75- 43.25	0	1903	0.00	99.90
42.25- 42.75	0	1903	0.00	99.90
41.75- 42.25	0	1903	0.00	99.90
41.25- 41.75	2	1903	0.10	99.90
40.75- 41.25	4	1901	0.21	99.79
40.25- 40.75	6	1897	0.31	99.58
39.75- 40.25	5	1891	0.26	99.27
39.25- 39.75	10	1886	0.52	99.00
38.75- 39.25	15	1876	0.79	98.48
38.25- 38.75	24	1861	1.26	97.69
37.75- 38.25	36	1837	1.89	96.43
37.25- 37.75	58	1801	3.04	94.54
36.75- 37.25	72	1743	3.78	91.50
36.25- 36.75	111	1671	5.83	87.72
35.75- 36.25	108	1560	5.67	81.89
35.25- 35.75	125	1452	6.56	76.22
34.75- 35.25	154	1327	8.08	69.66
34.25- 34.75	139	1173	7.30	61.57
33.75- 34.25	188	1034	9.87	54.28
33.25- 33.75	168	846	8.82	44.41
32.75- 33.25	163	678	8.56	35.59
32.25- 32.75	122	515	6.40	27.03
31.75- 32.25	119	393	6.25	20.63
31.25- 31.75	98	274	5.14	14.38
30.75- 31.25	71	176	3.73	9.24
30.25- 30.75	43	105	2.26	5.51
29.75- 30.25	33	62	1.73	3.25
29.25- 29.75	12	29	0.63	1.52
28.75- 29.25	9	17	0.47	0.89
28.25- 28.75	3	8	0.16	0.42
27.75- 28.25	1	5	0.05	0.26
27.25- 27.75	3	4	0.16	0.21
26.75- 27.25	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS INCHES

34.14	MEAN VALUE	13.44
0.05	SE(MEAN)	0.02
2.25	SD DEVIATION	0.88
0.04	SE(SD DEV)	0.01

SYMMETRY---	VETA I =	0.25
KURTOSIS---	VETA II =	3.28
COEF. OF VARIATION	=	6.6%

NUMBER OF SUBJECTS = 1905

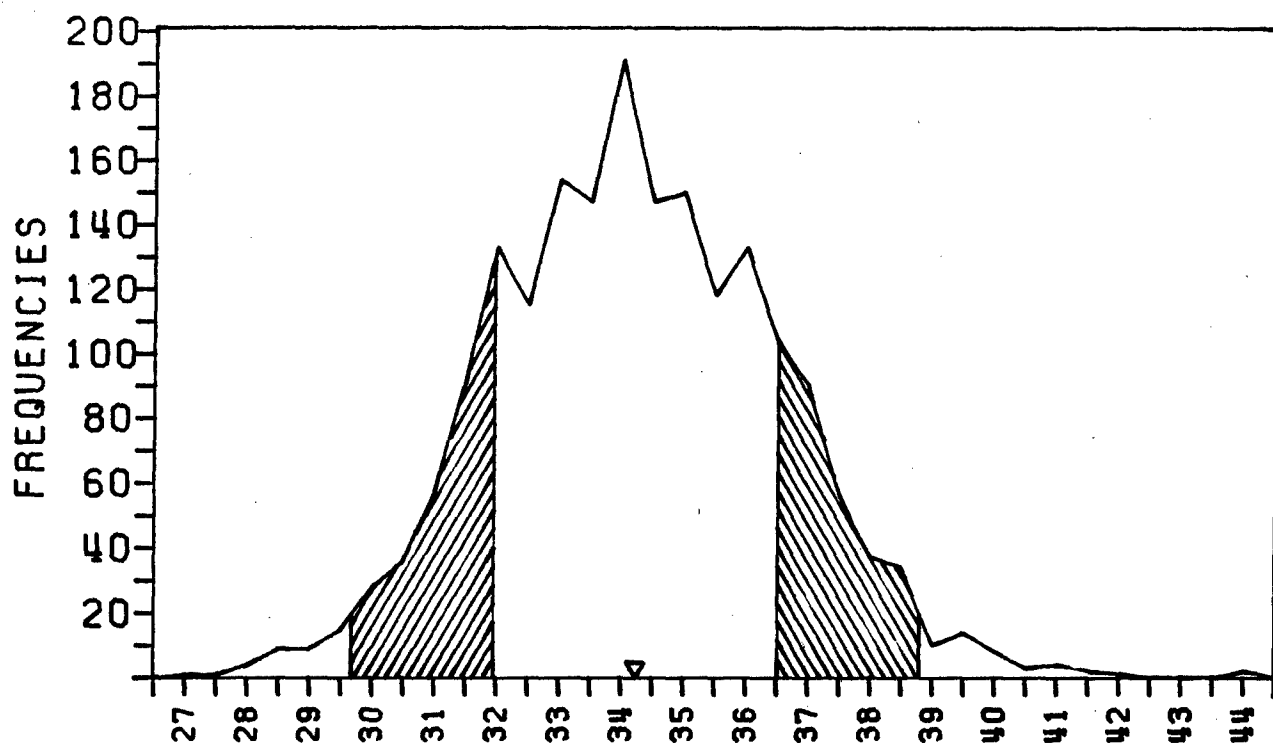
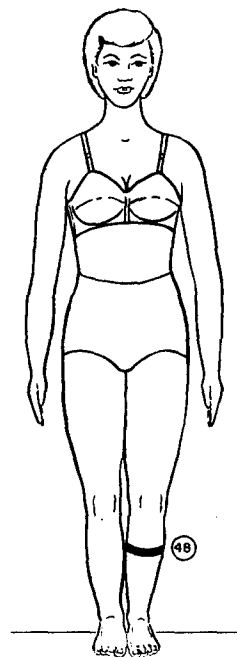
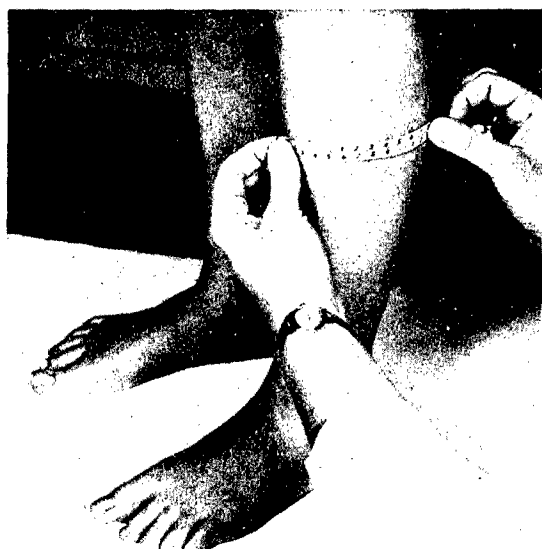
THE PERCENTILES

CENTIMETERS INCHES

39.68	99TH	15.62
38.97	98TH	15.34
38.53	97TH	15.17
37.94	95TH	14.94
37.05	90TH	14.59
36.46	85TH	14.36
36.01	80TH	14.18
35.61	75TH	14.02
35.27	70TH	13.88
34.95	65TH	13.76
34.64	60TH	13.64
34.36	55TH	13.53
34.07	50TH	13.41
33.79	45TH	13.30
33.51	40TH	13.19
33.22	35TH	13.08
32.91	30TH	12.96
32.59	25TH	12.83
32.23	20TH	12.69
31.82	15TH	12.53
31.32	10TH	12.33
30.60	5TH	12.05
30.16	3RD	11.87
29.85	2ND	11.75
29.38	1ST	11.57

(48) CALF CIRCUMFERENCE, LEFT

Subject stands erect, heels approximately 10 cm apart, and weight distributed equally on both feet. With a tape held in a plane perpendicular to the long axis of the left lower leg, measure the circumference of the calf at the level of the calf landmark.



RANGES*	F	CUMF	FPCT	CUMPCT
43.75- 44.25	2	1905	0.10	100.00
43.25- 43.75	0	1903	0.00	99.90
42.75- 43.25	0	1903	0.00	99.90
42.25- 42.75	0	1903	0.00	99.90
41.75- 42.25	1	1903	0.05	99.90
41.25- 41.75	2	1902	0.10	99.84
40.75- 41.25	4	1900	0.21	99.74
40.25- 40.75	3	1896	0.16	99.53
39.75- 40.25	8	1893	0.42	99.37
39.25- 39.75	14	1885	0.73	98.95
38.75- 39.25	10	1871	0.52	98.22
38.25- 38.75	34	1861	1.78	97.69
37.75- 38.25	37	1827	1.94	95.91
37.25- 37.75	56	1790	2.94	93.96
36.75- 37.25	90	1734	4.72	91.02
36.25- 36.75	104	1644	5.46	86.30
35.75- 36.25	133	1540	6.98	80.84
35.25- 35.75	118	1407	6.19	73.86
34.75- 35.25	150	1289	7.87	67.66
34.25- 34.75	147	1139	7.72	59.79
33.75- 34.25	191	992	10.03	52.07
33.25- 33.75	147	801	7.72	42.05
32.75- 33.25	154	654	8.08	34.33
32.25- 32.75	115	500	6.04	26.25
31.75- 32.25	133	385	6.98	20.21
31.25- 31.75	92	252	4.83	13.23
30.75- 31.25	57	160	2.99	8.40
30.25- 30.75	36	103	1.89	5.41
29.75- 30.25	28	67	1.47	3.52
29.25- 29.75	15	39	0.79	2.05
28.75- 29.25	9	24	0.47	1.26
28.25- 28.75	9	15	0.47	0.79
27.75- 28.25	4	6	0.21	0.31
27.25- 27.75	1	2	0.05	0.10
26.75- 27.25	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS INCHES

34.23 MEAN VALUE 13.48
0.05 SE(MEAN) 0.02
2.28 SD DEVIATION 0.90
0.04 SE(SD DEV) 0.01

SYMMETRY---VETA I = 0.17
KURTOSIS---VETA II = 3.21
COEF. OF VARIATION = 6.7%

NUMBER OF SUBJECTS = 1905

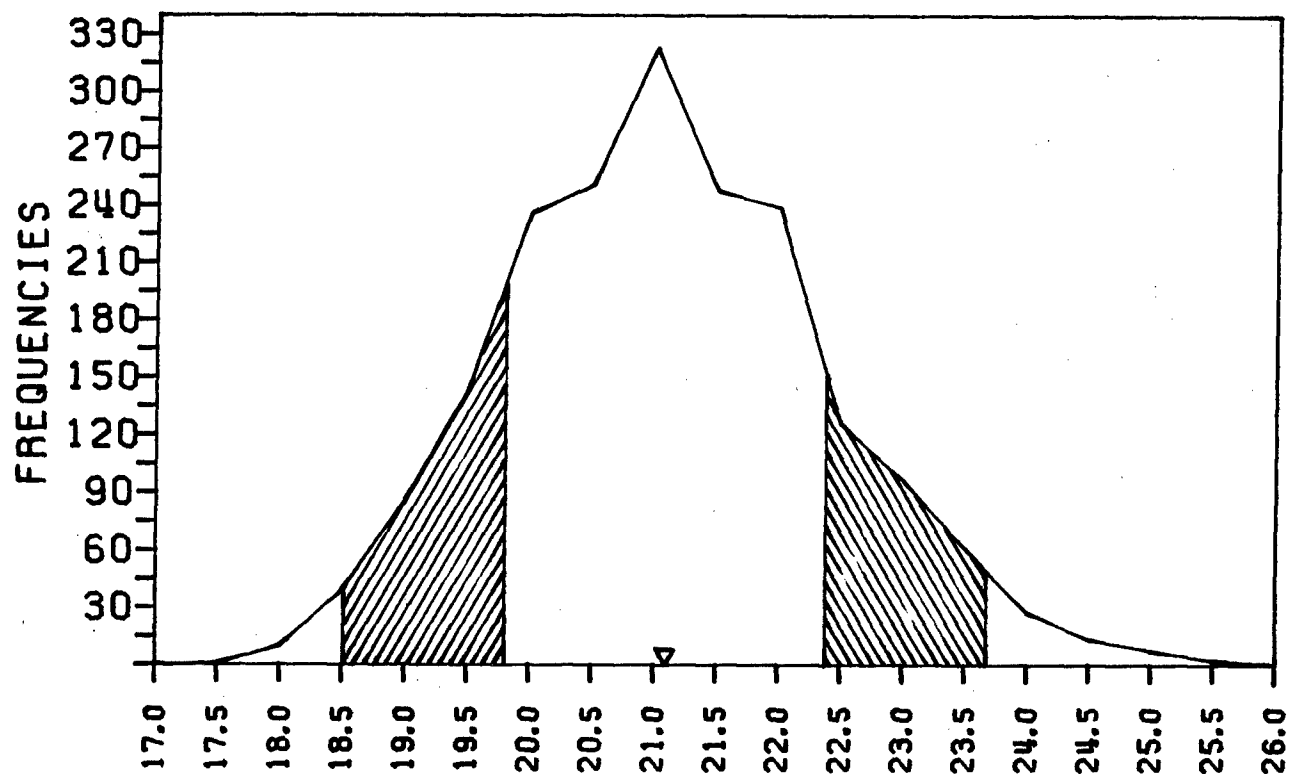
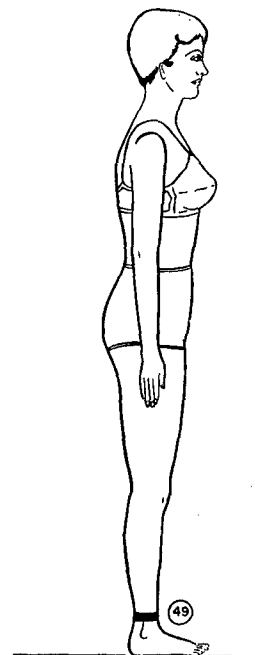
THE PERCENTILES

CENTIMETERS INCHES

39.73	99TH	15.64
39.07	98TH	15.38
38.65	97TH	15.21
38.07	95TH	14.99
37.19	90TH	14.64
36.59	85TH	14.41
36.13	80TH	14.23
35.74	75TH	14.07
35.38	70TH	13.93
35.06	65TH	13.80
34.76	60TH	13.68
34.47	55TH	13.57
34.18	50TH	13.46
33.90	45TH	13.35
33.61	40TH	13.23
33.32	35TH	13.12
33.01	30TH	13.00
32.68	25TH	12.87
32.32	20TH	12.72
31.90	15TH	12.56
31.36	10TH	12.35
30.57	5TH	12.04
30.05	3RD	11.83
29.67	2ND	11.68
29.05	1ST	11.44

(49) ANKLE CIRCUMFERENCE

Subject stands erect with weight distributed equally on both feet. With a tape held in a plane perpendicular to the long axis of the right lower leg, measure the circumference of the leg at the level of the ankle landmark.



CENTIMETERS		INCHES
21.09	MEAN VALUE	8.30
0.03	SE(MEAN)	0.01
1.29	SD DEVIATION	0.51
0.02	SE(SD DEV)	0.01

SYMMETRY---VETA I = 0.26
 KURTOSIS---VETA II = 2.95
 COEF. OF VARIATION = 6.1%

NUMBER OF SUBJECTS = 1905

THE PERCENTILES

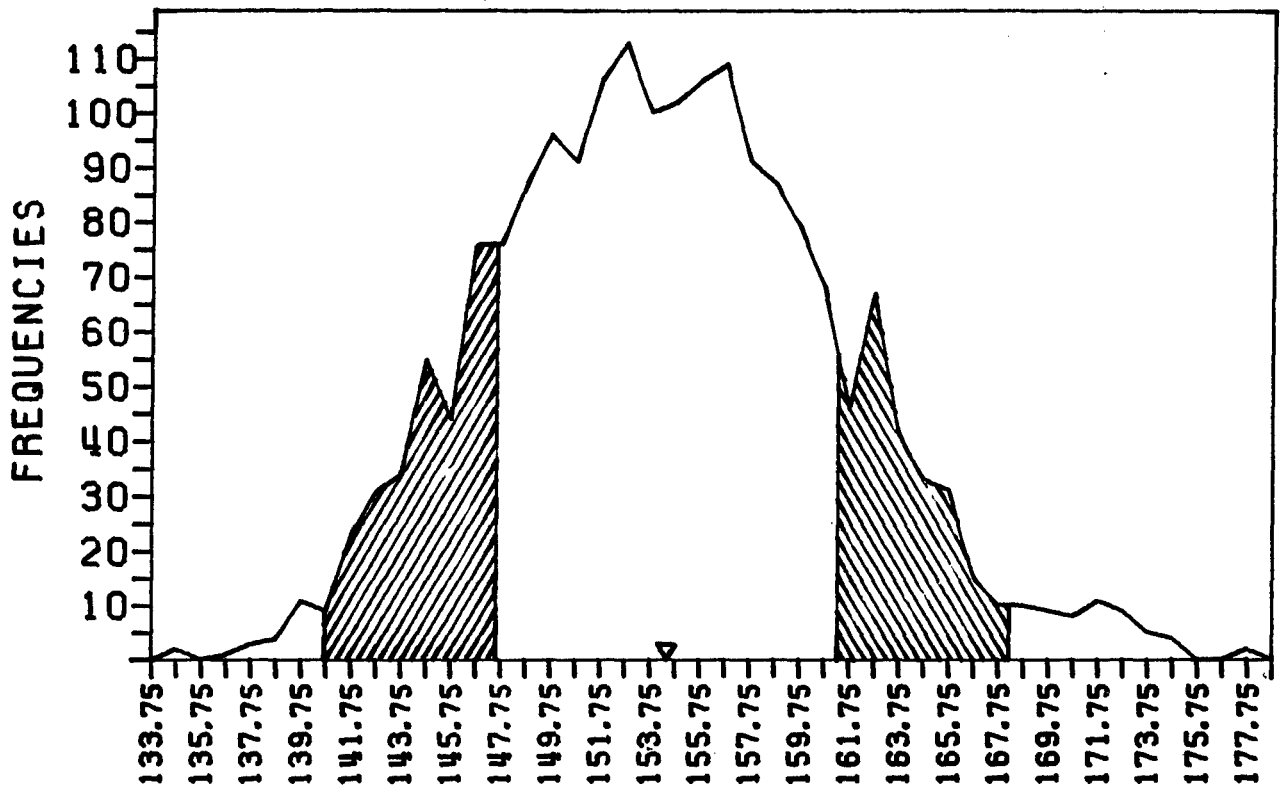
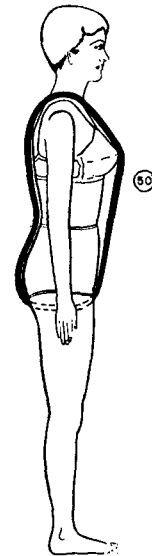
CENTIMETERS		INCHES
24.37	99TH	9.60
23.95	98TH	9.43
23.69	97TH	9.33
23.34	95TH	9.19
22.80	90TH	8.98
22.45	85TH	8.84
22.18	80TH	8.73
21.95	75TH	8.64
21.74	70TH	8.56
21.55	65TH	8.49
21.37	60TH	8.42
21.21	55TH	8.35
21.04	50TH	8.28
20.87	45TH	8.22
20.71	40TH	8.15
20.54	35TH	8.09
20.36	30TH	8.02
20.18	25TH	7.94
19.97	20TH	7.86
19.74	15TH	7.77
19.45	10TH	7.66
19.04	5TH	7.50
18.79	3RD	7.40
18.61	2ND	7.33
18.34	1ST	7.22

RANGES*	F	CUMF	FPCT	CUMPCT
25.25- 25.75	2	1905	0.10	100.00
24.75- 25.25	7	1903	0.37	99.90
24.25- 24.75	13	1896	0.68	99.53
23.75- 24.25	27	1883	1.42	98.85
23.25- 23.75	61	1856	3.20	97.43
22.75- 23.25	96	1795	5.04	94.23
22.25- 22.75	125	1699	6.56	89.19
21.75- 22.25	238	1574	12.49	82.62
21.25- 21.75	247	1336	12.97	70.13
20.75- 21.25	323	1089	16.96	57.17
20.25- 20.75	251	766	13.18	40.21
19.75- 20.25	236	515	12.39	27.03
19.25- 19.75	143	279	7.51	14.65
18.75- 19.25	86	136	4.51	7.14
18.25- 18.75	39	50	2.05	2.62
17.75- 18.25	10	11	0.52	0.58
17.25- 17.75	1	1	0.05	0.05

*IN CENTIMETERS

(50) VERTICAL TRUNK CIRCUMFERENCE

Subject stands with legs slightly apart. A length of tape is passed between the legs, over the protrusion of the right buttock, and up the back to lie over the midshoulder landmark. The other end of the tape is brought up over the right bustpoint landmark to the mid-shoulder landmark completing the circumference. The measurer holds the tape into the concavity of the back to insure that it follows the posterior body contour. (The tape does not follow the anterior body contour.) The measurement is made at the point of maximum quiet inspiration.



RANGES*	F	CUMF	FPCT	CUMPT
177.25-178.25	2	1905	0.10	100.00
176.25-177.25	0	1903	0.00	99.90
175.25-176.25	0	1903	0.00	99.90
174.25-175.25	4	1903	0.21	99.90
173.25-174.25	5	1899	0.26	99.69
172.25-173.25	9	1894	0.47	99.42
171.25-172.25	11	1885	0.58	98.95
170.25-171.25	8	1874	0.42	98.37
169.25-170.25	9	1866	0.47	97.95
168.25-169.25	10	1857	0.52	97.48
167.25-168.25	10	1847	0.52	96.96
166.25-167.25	15	1837	0.79	96.43
165.25-166.25	31	1822	1.63	95.64
164.25-165.25	33	1791	1.73	94.02
163.25-164.25	41	1758	2.15	92.28
162.25-163.25	67	1717	3.52	90.13
161.25-162.25	46	1650	2.41	86.61
160.25-161.25	68	1604	3.57	84.20
159.25-160.25	79	1536	4.15	80.63
158.25-159.25	87	1457	4.57	76.48
157.25-158.25	91	1370	4.78	71.92
156.25-157.25	109	1279	5.72	67.14
155.25-156.25	106	1170	5.56	61.42
154.25-155.25	102	1064	5.35	55.85
153.25-154.25	100	962	5.25	50.50
152.25-153.25	113	862	5.93	45.25
151.25-152.25	106	749	5.56	39.32
150.25-151.25	91	643	4.78	33.75
149.25-150.25	96	552	5.04	28.98
148.25-149.25	87	456	4.57	23.94
147.25-148.25	76	369	3.99	19.37
146.25-147.25	76	293	3.99	15.38
145.25-146.25	44	217	2.31	11.39
144.25-145.25	55	173	2.89	9.08
143.25-144.25	34	118	1.78	6.19
142.25-143.25	31	84	1.63	4.41
141.25-142.25	23	53	1.21	2.78
140.25-141.25	9	30	0.47	1.57
139.25-140.25	11	21	0.58	1.10
138.25-139.25	4	10	0.21	0.52
137.25-138.25	3	6	0.16	0.31
136.25-137.25	1	3	0.05	0.16
135.25-136.25	0	2	0.00	0.10
134.25-135.25	2	2	0.10	0.10

*IN CENTIMETERS

CENTIMETERS INCHES

154.43 MEAN VALUE 60.80
0.16 SE(MEAN) 0.06
6.87 SD DEVIATION 2.70
0.11 SE(SD DEV) 0.04

SYMMETRY---VETA I = 0.26
KURTOSIS---VETA II = 2.95
COEF. OF VARIATION = 4.4%

NUMBER OF SUBJECTS = 1905

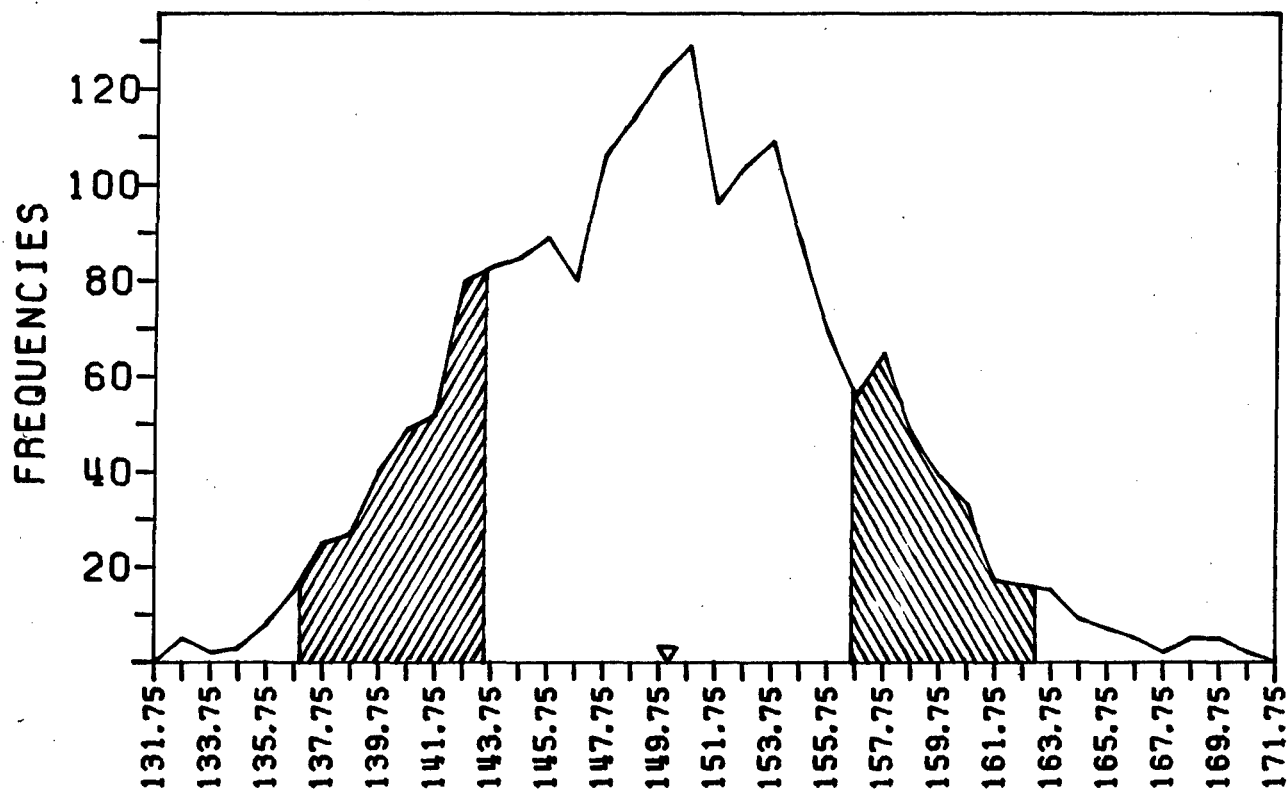
THE PERCENTILES

CENTIMETERS INCHES

172.52	99TH	67.92
169.88	98TH	66.88
168.31	97TH	66.27
166.29	95TH	65.47
163.38	90TH	64.32
161.51	85TH	63.59
160.07	80TH	63.02
158.86	75TH	62.54
157.78	70TH	62.12
156.80	65TH	61.73
155.88	60TH	61.37
154.99	55TH	61.02
154.12	50TH	60.68
153.26	45TH	60.34
152.39	40TH	60.00
151.49	35TH	59.64
150.56	30TH	59.28
149.56	25TH	58.88
148.46	20TH	58.45
147.21	15TH	57.95
145.67	10TH	57.35
143.54	5TH	56.51
142.28	3RD	56.01
141.42	2ND	55.68
140.25	1ST	55.22

(51) VERTICAL TRUNK CIRCUMFERENCE, SITTING

Subject stands with legs slightly apart. A length of tape is passed between the legs, over the protrusion of the right buttock, and up the back to lie over the midshoulder landmark. Keeping the tape in place, the subject then sits, her trunk erect and arms relaxed. The other end of the tape is brought over the right bustpoint landmark to the midshoulder landmark completing the circumference. The measurer holds the tape into the concavity of the back to insure that it follows the posterior body contour. (The tape does not follow the anterior body contour.) The measurement is made at the point of maximum quiet inspiration.



RANGES*	F	CUMF	FPCT	CUMPCT
170.25-171.25	2	1905	0.10	100.00
169.25-170.25	5	1903	0.26	99.90
168.25-169.25	5	1898	0.26	99.63
167.25-168.25	2	1893	0.10	99.37
166.25-167.25	5	1891	0.26	99.27
165.25-166.25	7	1886	0.37	99.00
164.25-165.25	9	1879	0.47	98.64
163.25-164.25	15	1870	0.79	98.16
162.25-163.25	16	1855	0.84	97.38
161.25-162.25	17	1839	0.89	96.54
160.25-161.25	33	1822	1.73	95.64
159.25-160.25	39	1789	2.05	93.91
158.25-159.25	48	1750	2.52	91.86
157.25-158.25	65	1702	3.41	89.34
156.25-157.25	56	1637	2.94	85.93
155.25-156.25	69	1581	3.62	82.99
154.25-155.25	88	1512	4.62	79.37
153.25-154.25	109	1424	5.72	74.75
152.25-153.25	104	1315	5.46	69.03
151.25-152.25	96	1211	5.04	63.57
150.25-151.25	129	1115	6.77	58.53
149.25-150.25	123	986	6.46	51.76
148.25-149.25	114	863	5.98	45.30
147.25-148.25	106	749	5.56	39.32
146.25-147.25	80	643	4.20	33.75
145.25-146.25	89	563	4.67	29.55
144.25-145.25	85	474	4.46	24.88
143.25-144.25	83	389	4.36	20.42
142.25-143.25	80	306	4.20	16.06
141.25-142.25	52	226	2.73	11.86
140.25-141.25	49	174	2.57	9.13
139.25-140.25	40	125	2.10	6.56
138.25-139.25	27	85	1.42	4.46
137.25-138.25	25	58	1.31	3.04
136.25-137.25	15	33	0.79	1.73
135.25-136.25	8	18	0.42	0.94
134.25-135.25	3	10	0.16	0.52
133.25-134.25	2	7	0.10	0.37
132.25-133.25	5	5	0.26	0.26

*IN CENTIMETERS

CENTIMETERS INCHES

150.07 MEAN VALUE 59.08
0.15 SE(MEAN) 0.06
6.56 SD DEVIATION 2.58
0.11 SE(SD DEV) 0.04

SYMMETRY---VETA I = 0.17
KURTOSIS---VETA II = 2.87
COEF. OF VARIATION = 4.4%

NUMBER OF SUBJECTS = 1905

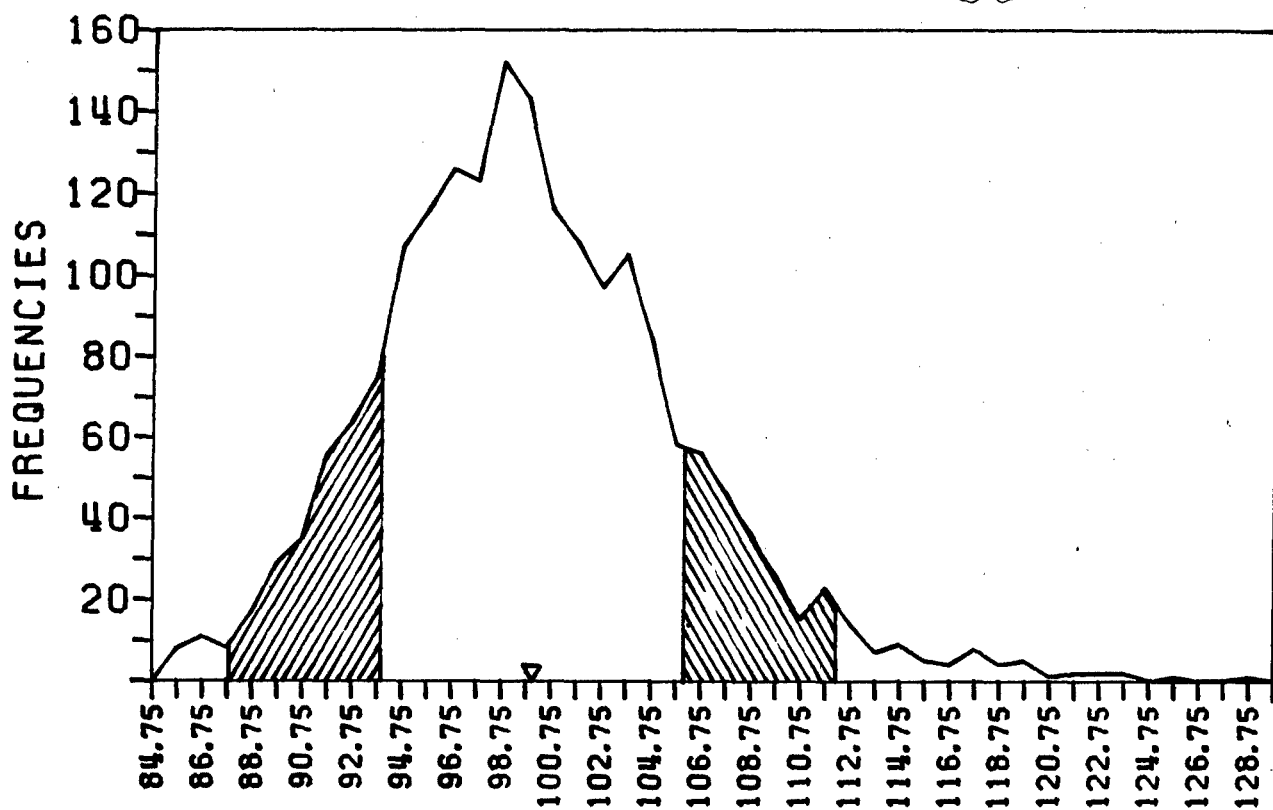
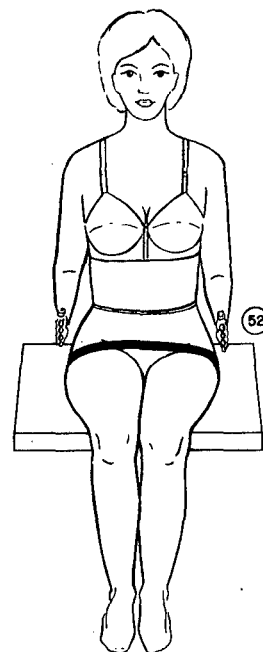
THE PERCENTILES

CENTIMETERS INCHES

166.25	99TH	65.45
164.04	98TH	64.58
162.72	97TH	64.06
161.00	95TH	63.39
158.47	90TH	62.39
156.82	85TH	61.74
155.52	80TH	61.23
154.41	75TH	60.79
153.41	70TH	60.40
152.49	65TH	60.03
151.61	60TH	59.69
150.76	55TH	59.36
149.92	50TH	59.02
149.08	45TH	58.69
148.22	40TH	58.36
147.34	35TH	58.01
146.41	30TH	57.64
145.42	25TH	57.25
144.31	20TH	56.82
143.06	15TH	56.32
141.53	10TH	55.72
139.42	5TH	54.89
138.21	3RD	54.41
137.41	2ND	54.10
136.37	1ST	53.69

(52) BUTTOCK CIRCUMFERENCE, SITTING

Subject sits erect on a flat surface, thighs parallel, and arms folded across chest. Drawing a tape as far forward as freely possible under the subject's buttocks and bringing it upward and diagonally across her lap at the level of the thigh-trunk intersection, measure the circumference of the buttocks.



RANGES*	F	CUMF	FPCT	CUMPT
128.25-129.25	1	1905	0.05	100.00
127.25-128.25	0	1904	0.00	99.95
126.25-127.25	0	1904	0.00	99.95
125.25-126.25	1	1904	0.05	99.95
124.25-125.25	0	1903	0.00	99.90
123.25-124.25	2	1903	0.10	99.90
122.25-123.25	2	1901	0.10	99.79
121.25-122.25	2	1899	0.10	99.69
120.25-121.25	1	1897	0.05	99.58
119.25-120.25	5	1896	0.26	99.53
118.25-119.25	4	1891	0.21	99.27
117.25-118.25	8	1887	0.42	99.06
116.25-117.25	4	1879	0.21	98.64
115.25-116.25	5	1875	0.26	98.43
114.25-115.25	9	1870	0.47	98.16
113.25-114.25	7	1861	0.37	97.69
112.25-113.25	14	1854	0.73	97.32
111.25-112.25	23	1840	1.21	96.59
110.25-111.25	15	1817	0.79	95.38
109.25-110.25	26	1802	1.36	94.59
108.25-109.25	36	1776	1.89	93.23
107.25-108.25	46	1740	2.41	91.34
106.25-107.25	56	1694	2.94	88.92
105.25-106.25	58	1638	3.04	85.98
104.25-105.25	84	1580	4.41	82.94
103.25-104.25	105	1496	5.51	78.53
102.25-103.25	97	1391	5.09	73.02
101.25-102.25	108	1294	5.67	67.93
100.25-101.25	116	1186	6.09	62.26
99.25-100.25	143	1070	7.51	56.17
98.25- 99.25	152	927	7.98	48.66
97.25- 98.25	123	775	6.46	40.68
96.25- 97.25	126	652	6.61	34.23
95.25- 96.25	116	526	6.09	27.61
94.25- 95.25	107	410	5.62	21.52
93.25- 94.25	75	303	3.94	15.91
92.25- 93.25	64	228	3.36	11.97
91.25- 92.25	56	164	2.94	8.61
90.25- 91.25	35	108	1.84	5.67
89.25- 90.25	29	73	1.52	3.83
88.25- 89.25	17	44	0.89	2.31
87.25- 88.25	8	27	0.42	1.42
86.25- 87.25	11	19	0.58	1.00
85.25- 86.25	8	8	0.42	0.42

*IN CENTIMETERS

CENTIMETERS	INCHES
100.00 MEAN VALUE	39.37
0.14 SE(MEAN)	0.05
6.09 SD DEVIATION	2.40
0.10 SE(SD DEV)	0.04

SYMMETRY---VETA I =	0.62
KURTOSIS---VETA II =	3.98
COEF. OF VARIATION =	6.1%

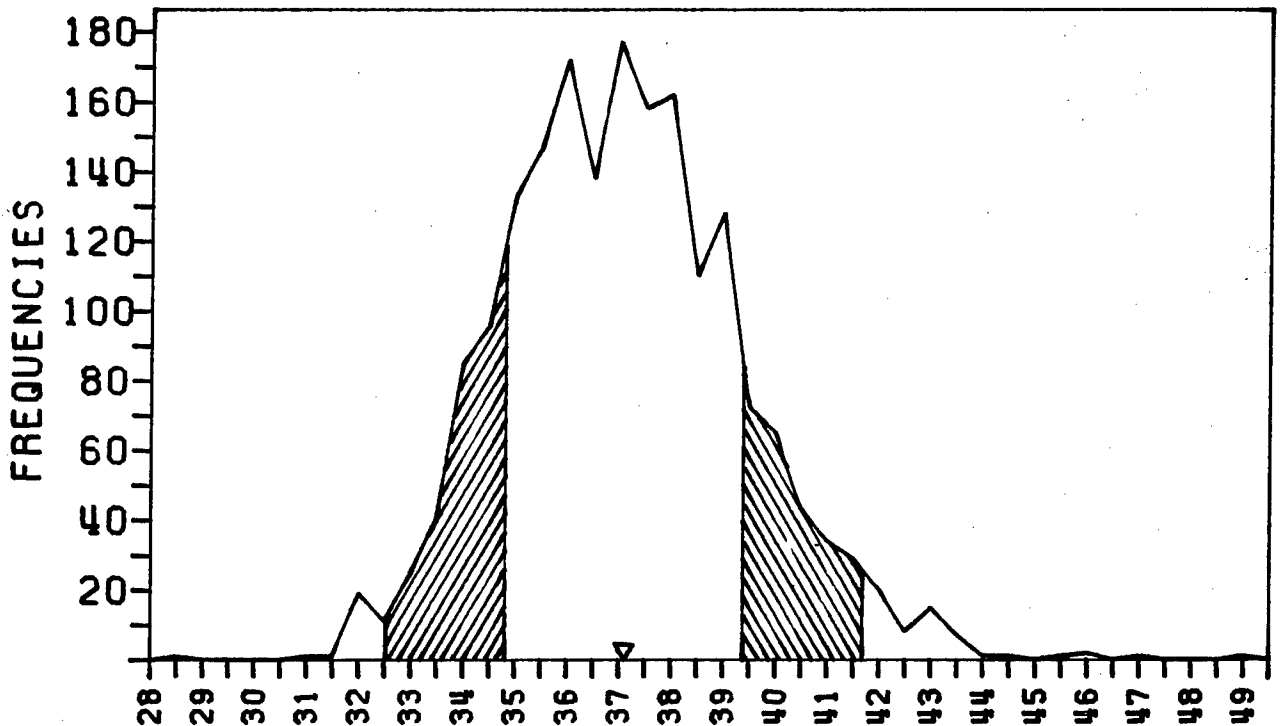
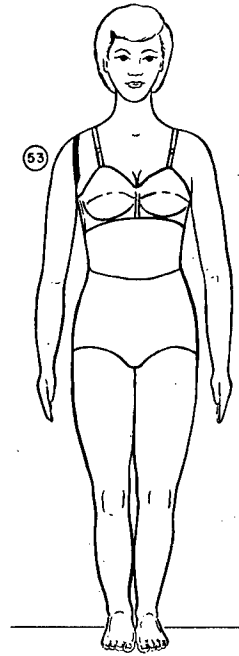
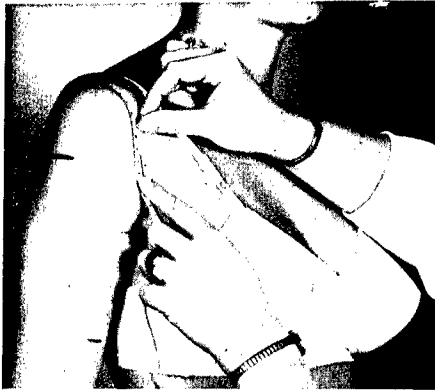
NUMBER OF SUBJECTS = 1905

THE PERCENTILES

CENTIMETERS	INCHES
118.03	99TH 46.47
114.86	98TH 45.22
113.04	97TH 44.50
110.79	95TH 43.62
107.73	90TH 42.41
105.90	85TH 41.69
104.56	80TH 41.16
103.46	75TH 40.73
102.52	70TH 40.36
101.69	65TH 40.03
100.92	60TH 39.73
100.19	55TH 39.44
99.49	50TH 39.17
98.79	45TH 38.89
98.10	40TH 38.62
97.40	35TH 38.35
96.67	30TH 38.06
95.88	25TH 37.75
95.00	20TH 37.40
94.00	15TH 37.01
92.72	10TH 36.51
90.85	5TH 35.77
89.64	3RD 35.29
88.76	2ND 34.94
87.40	1ST 34.41

(53) SCYE CIRCUMFERENCE

Subject stands erect looking straight ahead. The right arm is abducted sufficiently to allow placement of a tape into the axilla. With a tape passing through the axilla, over the anterior and posterior-vertical scye landmarks and over the right acromial landmark, measure the circumference of the scye. The axillary tissue is not compressed.



RANGES*	F	CUMF	FPCT	CUMPT
48.75- 49.25	1	1905	0.05	100.00
48.25- 48.75	0	1904	0.00	99.95
47.75- 48.25	0	1904	0.00	99.95
47.25- 47.75	0	1904	0.00	99.95
46.75- 47.25	1	1904	0.05	99.95
46.25- 46.75	0	1903	0.00	99.90
45.75- 46.25	2	1903	0.10	99.90
45.25- 45.75	1	1901	0.05	99.79
44.75- 45.25	0	1900	0.00	99.74
44.25- 44.75	1	1900	0.05	99.74
43.75- 44.25	1	1899	0.05	99.69
43.25- 43.75	7	1898	0.37	99.63
42.75- 43.25	15	1891	0.79	99.27
42.25- 42.75	8	1876	0.42	98.48
41.75- 42.25	20	1868	1.05	98.06
41.25- 41.75	29	1848	1.52	97.01
40.75- 41.25	34	1819	1.78	95.49
40.25- 40.75	43	1785	2.26	93.70
39.75- 40.25	65	1742	3.41	91.44
39.25- 39.75	72	1677	3.78	88.03
38.75- 39.25	128	1605	6.72	84.25
38.25- 38.75	110	1477	5.77	77.53
37.75- 38.25	162	1367	8.50	71.76
37.25- 37.75	158	1205	8.29	63.25
36.75- 37.25	177	1047	9.29	54.96
36.25- 36.75	138	870	7.24	45.67
35.75- 36.25	172	732	9.03	38.43
35.25- 35.75	147	560	7.72	29.40
34.75- 35.25	133	413	6.98	21.68
34.25- 34.75	96	280	5.04	14.70
33.75- 34.25	85	184	4.46	9.66
33.25- 33.75	41	99	2.15	5.20
32.75- 33.25	25	58	1.31	3.04
32.25- 32.75	11	33	0.58	1.73
31.75- 32.25	19	22	1.00	1.15
31.25- 31.75	1	3	0.05	0.16
30.75- 31.25	1	2	0.05	0.10
30.25- 30.75	0	1	0.00	0.05
29.75- 30.25	0	1	0.00	0.05
29.25- 29.75	0	1	0.00	0.05
28.75- 29.25	0	1	0.00	0.05
28.25- 28.75	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS	INCHES
37.10	MEAN VALUE 14.61
0.05	SE (MEAN) 0.02
2.29	SD DEVIATION 0.90
0.04	SE (SD DEV) 0.01

SYMMETRY---	VETA I = 0.42
KURTOSIS---	VETA II = 3.64
COEF. OF VARIATION	= 6.2%

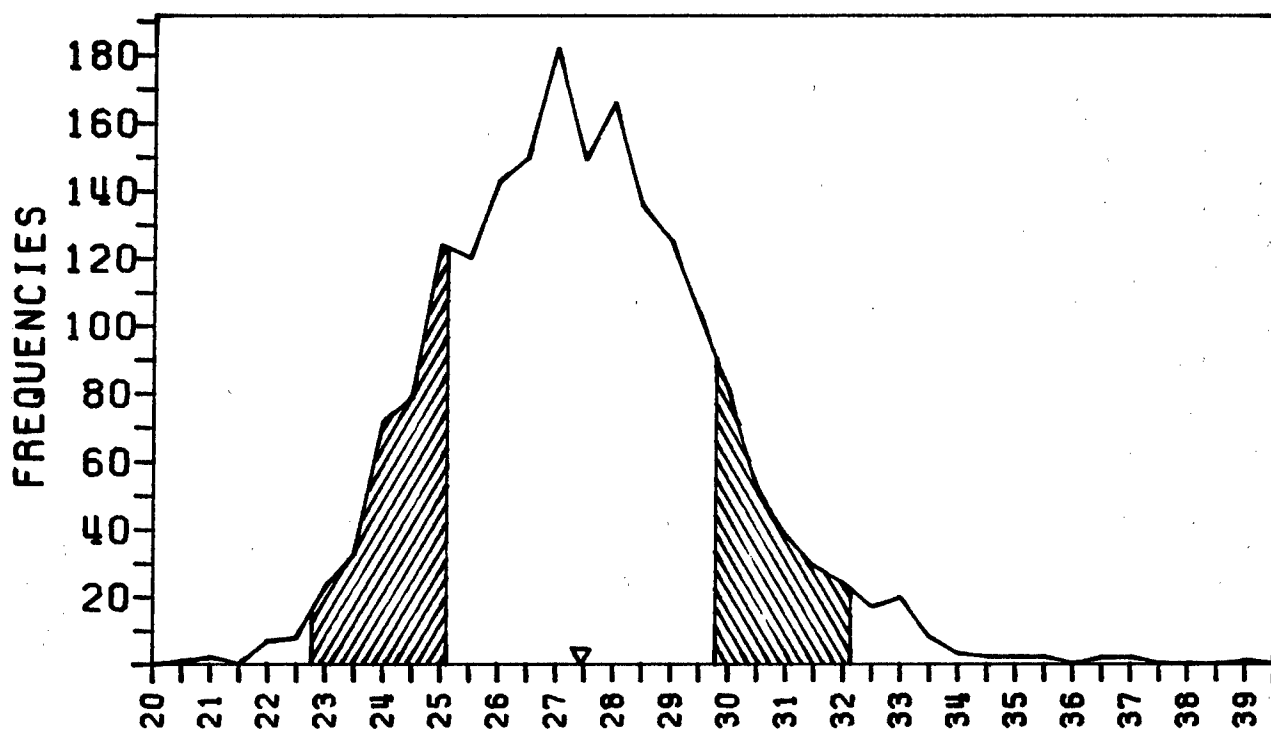
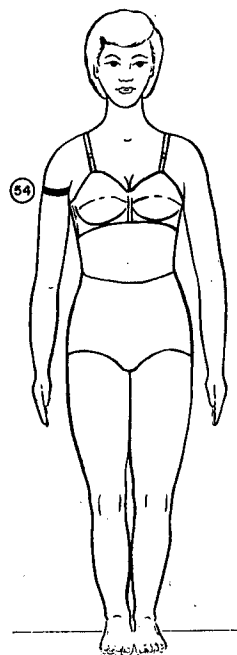
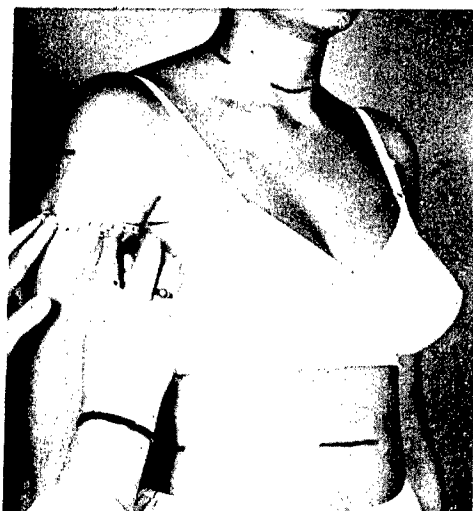
NUMBER OF SUBJECTS = 1905

THE PERCENTILES

CENTIMETERS		INCHES
43.05	99TH	16.95
42.25	98TH	16.64
41.75	97TH	16.44
41.08	95TH	16.17
40.08	90TH	15.78
39.43	85TH	15.52
38.93	80TH	15.33
38.51	75TH	15.16
38.14	70TH	15.02
37.81	65TH	14.89
37.50	60TH	14.77
37.21	55TH	14.65
36.93	50TH	14.54
36.66	45TH	14.43
36.38	40TH	14.32
36.11	35TH	14.22
35.82	30TH	14.10
35.52	25TH	13.98
35.18	20TH	13.85
34.80	15TH	13.70
34.33	10TH	13.51
33.62	5TH	13.24
33.16	3RD	13.06
32.81	2ND	12.92
32.25	1ST	12.70

(54) AXILLARY ARM CIRCUMFERENCE

Subject stands with right arm abducted sufficiently to allow clearance of a tape between the arm and trunk. With a tape held in a plane perpendicular to the long axis of the upper arm, measure the circumference of the arm at the level of the anterior arm-scye landmark. The axillary tissue is not compressed.



RANGES*	F	CUMF	FPCT	CUMPCCT
38.75- 39.25	1	1905	0.05	100.00
38.25- 38.75	0	1904	0.00	99.95
37.75- 38.25	0	1904	0.00	99.95
37.25- 37.75	0	1904	0.00	99.95
36.75- 37.25	2	1904	0.10	99.95
36.25- 36.75	2	1902	0.10	99.84
35.75- 36.25	0	1900	0.00	99.74
35.25- 35.75	2	1900	0.10	99.74
34.75- 35.25	2	1898	0.10	99.63
34.25- 34.75	2	1896	0.10	99.53
33.75- 34.25	3	1894	0.16	99.42
33.25- 33.75	8	1891	0.42	99.27
32.75- 33.25	20	1883	1.05	98.85
32.25- 32.75	17	1863	0.89	97.80
31.75- 32.25	24	1846	1.26	96.90
31.25- 31.75	29	1822	1.52	95.64
30.75- 31.25	38	1793	1.99	94.12
30.25- 30.75	52	1755	2.73	92.13
29.75- 30.25	81	1703	4.25	89.40
29.25- 29.75	103	1622	5.41	85.14
28.75- 29.25	125	1519	6.56	79.74
28.25- 28.75	135	1394	7.09	73.18
27.75- 28.25	166	1259	8.71	66.09
27.25- 27.75	149	1093	7.82	57.38
26.75- 27.25	182	944	9.55	49.55
26.25- 26.75	150	762	7.87	40.00
25.75- 26.25	143	612	7.51	32.13
25.25- 25.75	120	469	6.30	24.62
24.75- 25.25	124	349	6.51	18.32
24.25- 24.75	79	225	4.15	11.81
23.75- 24.25	72	146	3.78	7.66
23.25- 23.75	33	74	1.73	3.88
22.75- 23.25	23	41	1.21	2.15
22.25- 22.75	8	18	0.42	0.94
21.75- 22.25	7	10	0.37	0.52
21.25- 21.75	0	3	0.00	0.16
20.75- 21.25	2	3	0.10	0.16
20.25- 20.75	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS INCHES

27.44	MEAN VALUE	10.80
0.05	SE(MEAN)	0.02
2.34	SD DEVIATION	0.92
0.04	SE(SD DEV)	0.01

SYMMETRY---	VETA I =	0.47
KURTOSIS---	VETA II =	3.65
COEF. OF VARIATION	=	8.5%

NUMBER OF SUBJECTS = 1905

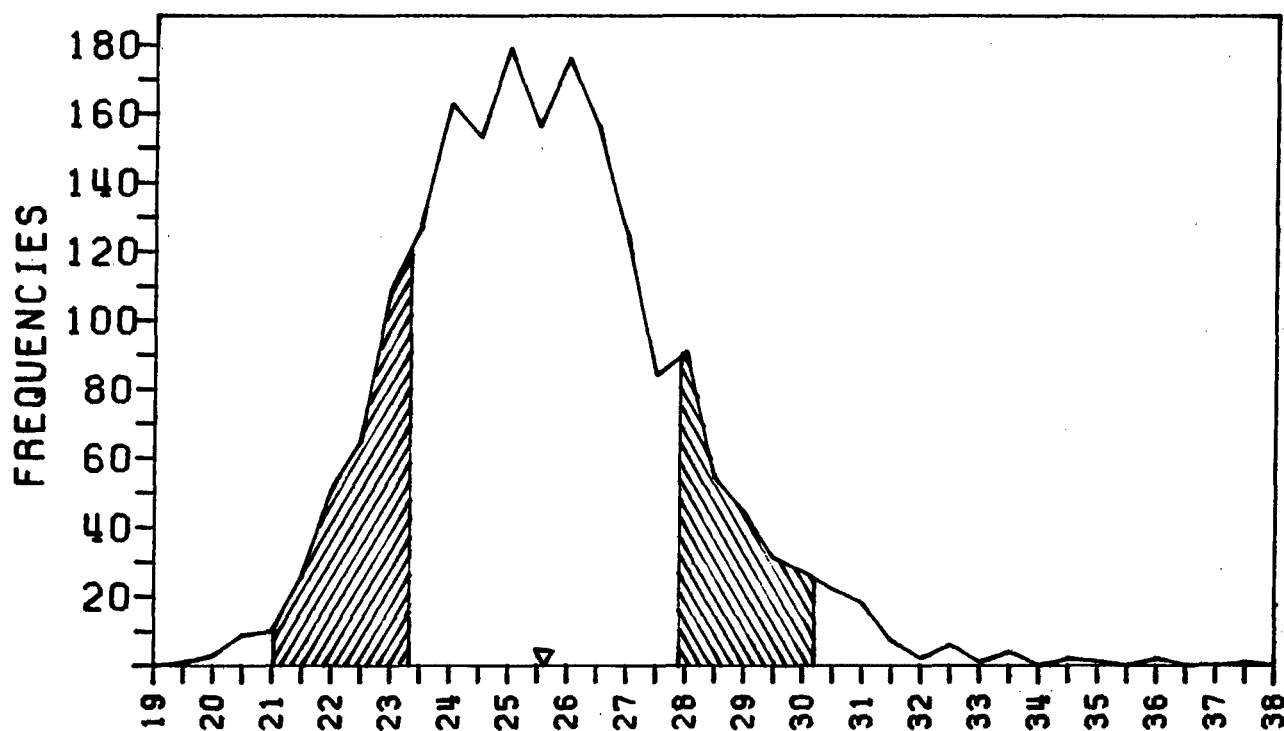
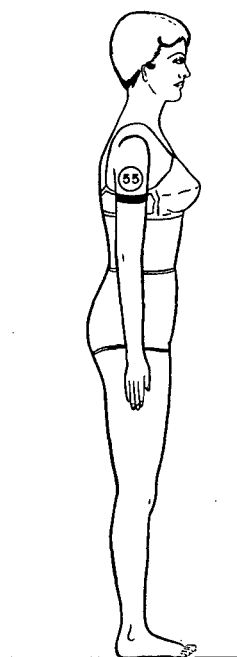
THE PERCENTILES

CENTIMETERS INCHES

33.56	99TH	13.21
32.71	98TH	12.88
32.19	97TH	12.67
31.50	95TH	12.40
30.49	90TH	12.00
29.83	85TH	11.74
29.32	80TH	11.54
28.89	75TH	11.38
28.52	70TH	11.23
28.18	65TH	11.09
27.86	60TH	10.97
27.56	55TH	10.85
27.27	50TH	10.74
26.98	45TH	10.62
26.69	40TH	10.51
26.40	35TH	10.39
26.10	30TH	10.28
25.78	25TH	10.15
25.43	20TH	10.01
25.04	15TH	9.86
24.56	10TH	9.67
23.89	5TH	9.40
23.48	3RD	9.24
23.19	2ND	9.13
22.77	1ST	8.96

(55) BICEPS CIRCUMFERENCE, RELAXED, RIGHT

Subject stands with right arm slightly abducted. With a tape held in a plane perpendicular to the long axis of the upper arm, measure the circumference of the arm at the level of the biceps landmark.



RANGES*	F	CUMF	FPCT	CUMPCT
37.25- 37.75	1	1905	0.05	100.00
36.75- 37.25	0	1904	0.00	99.95
36.25- 36.75	0	1904	0.00	99.95
35.75- 36.25	2	1904	0.10	99.95
35.25- 35.75	0	1902	0.00	99.84
34.75- 35.25	1	1902	0.05	99.84
34.25- 34.75	2	1901	0.10	99.79
33.75- 34.25	0	1899	0.00	99.69
33.25- 33.75	4	1899	0.21	99.69
32.75- 33.25	1	1895	0.05	99.48
32.25- 32.75	6	1894	0.31	99.42
31.75- 32.25	2	1888	0.10	99.11
31.25- 31.75	7	1886	0.37	99.00
30.75- 31.25	18	1879	0.94	98.64
30.25- 30.75	22	1861	1.15	97.69
29.75- 30.25	27	1839	1.42	96.54
29.25- 29.75	31	1812	1.63	95.12
28.75- 29.25	44	1781	2.31	93.49
28.25- 28.75	54	1737	2.83	91.18
27.75- 28.25	91	1683	4.78	88.35
27.25- 27.75	84	1592	4.41	83.57
26.75- 27.25	124	1508	6.51	79.16
26.25- 26.75	156	1384	8.19	72.65
25.75- 26.25	176	1228	9.24	64.46
25.25- 25.75	156	1052	8.19	55.22
24.75- 25.25	179	896	9.40	47.03
24.25- 24.75	153	717	8.03	37.64
23.75- 24.25	163	564	8.56	29.61
23.25- 23.75	127	401	6.67	21.05
22.75- 23.25	109	274	5.72	14.38
22.25- 22.75	65	165	3.41	8.66
21.75- 22.25	51	100	2.68	5.25
21.25- 21.75	26	49	1.36	2.57
20.75- 21.25	10	23	0.52	1.21
20.25- 20.75	9	13	0.47	0.68
19.75- 20.25	3	4	0.16	0.21
19.25- 19.75	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS INCHES

25.61 MEAN VALUE 10.08
0.05 SE (MEAN) 0.02
2.29 SD DEVIATION 0.90
0.04 SE (SD DEV) 0.01

SYMMETRY---VETA I = 0.62
KURTOSIS---VETA II = 4.03
COEF. OF VARIATION = 8.9%

NUMBER OF SUBJECTS = 1905

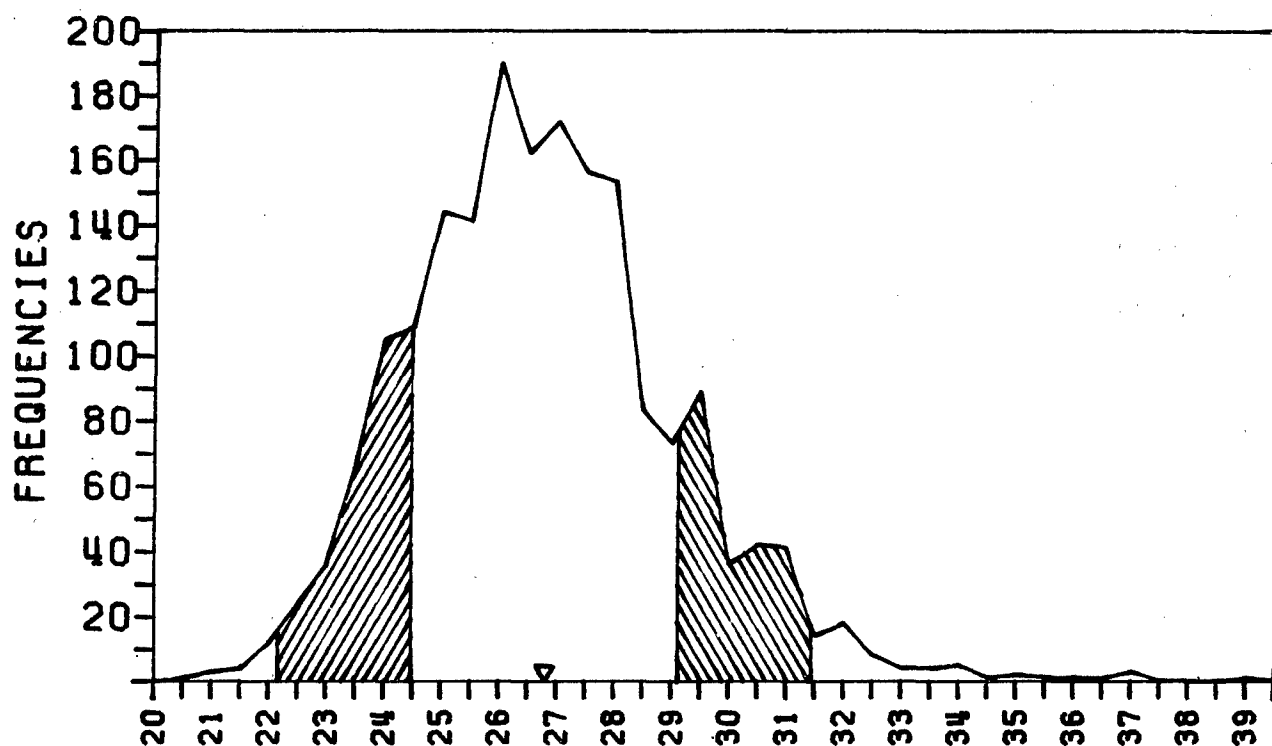
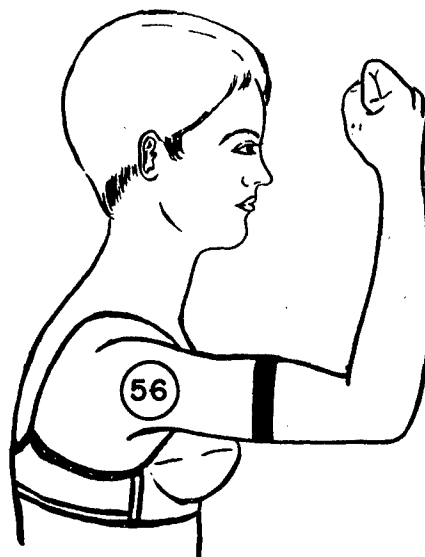
THE PERCENTILES

CENTIMETERS INCHES

31.79	99TH	12.52
30.91	98TH	12.17
30.37	97TH	11.96
29.65	95TH	11.67
28.60	90TH	11.26
27.92	85TH	10.99
27.41	80TH	10.79
26.98	75TH	10.62
26.61	70TH	10.48
26.28	65TH	10.35
25.97	60TH	10.22
25.68	55TH	10.11
25.40	50TH	10.00
25.12	45TH	9.89
24.85	40TH	9.78
24.58	35TH	9.68
24.30	30TH	9.57
24.00	25TH	9.45
23.68	20TH	9.32
23.31	15TH	9.18
22.87	10TH	9.00
22.23	5TH	8.75
21.82	3RD	8.59
21.52	2ND	8.47
21.06	1ST	8.29

(56) BICEPS CIRCUMFERENCE, FLEXED, RIGHT

Subject stands, right upper arm raised so that its long axis is horizontal, elbow flexed 90 degrees, biceps strongly contracted, and fist tightly clenched. With a tape held in a plane perpendicular to the long axis of the upper arm, measure the circumference of the arm at the level of the biceps landmark.



RANGES*	F	CUMF	FPCT	CUMPT
38.75- 39.25	1	1905	0.05	100.00
38.25- 38.75	0	1904	0.00	99.95
37.75- 38.25	0	1904	0.00	99.95
37.25- 37.75	0	1904	0.00	99.95
36.75- 37.25	3	1904	0.16	99.95
36.25- 36.75	1	1901	0.05	99.79
35.75- 36.25	1	1900	0.05	99.74
35.25- 35.75	1	1899	0.05	99.69
34.75- 35.25	2	1898	0.10	99.63
34.25- 34.75	1	1896	0.05	99.53
33.75- 34.25	5	1895	0.26	99.48
33.25- 33.75	4	1890	0.21	99.21
32.75- 33.25	4	1886	0.21	99.00
32.25- 32.75	8	1882	0.42	98.79
31.75- 32.25	18	1874	0.94	98.37
31.25- 31.75	14	1856	0.73	97.43
30.75- 31.25	41	1842	2.15	96.69
30.25- 30.75	42	1801	2.20	94.54
29.75- 30.25	36	1759	1.89	92.34
29.25- 29.75	89	1723	4.67	90.45
28.75- 29.25	73	1634	3.83	85.77
28.25- 28.75	83	1561	4.36	81.94
27.75- 28.25	153	1478	8.03	77.59
27.25- 27.75	156	1325	8.19	69.55
26.75- 27.25	172	1169	9.03	61.36
26.25- 26.75	162	997	8.50	52.34
25.75- 26.25	190	835	9.97	43.83
25.25- 25.75	141	645	7.40	33.86
24.75- 25.25	144	504	7.56	26.46
24.25- 24.75	109	360	5.72	18.90
23.75- 24.25	105	251	5.51	13.18
23.25- 23.75	66	146	3.46	7.66
22.75- 23.25	36	80	1.89	4.20
22.25- 22.75	24	44	1.26	2.31
21.75- 22.25	12	20	0.63	1.05
21.25- 21.75	4	8	0.21	0.42
20.75- 21.25	3	4	0.16	0.21
20.25- 20.75	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS INCHES

26.79	MEAN VALUE	10.55
0.05	SE(MEAN)	0.02
2.32	SD DEVIATION	0.91
0.04	SE(SD DEV)	0.01

SYMMETRY---	VETA I =	0.62
KURTOSIS---	VETA II =	4.13
COEF. OF VARIATION	=	8.6%

NUMBER OF SUBJECTS = 1905

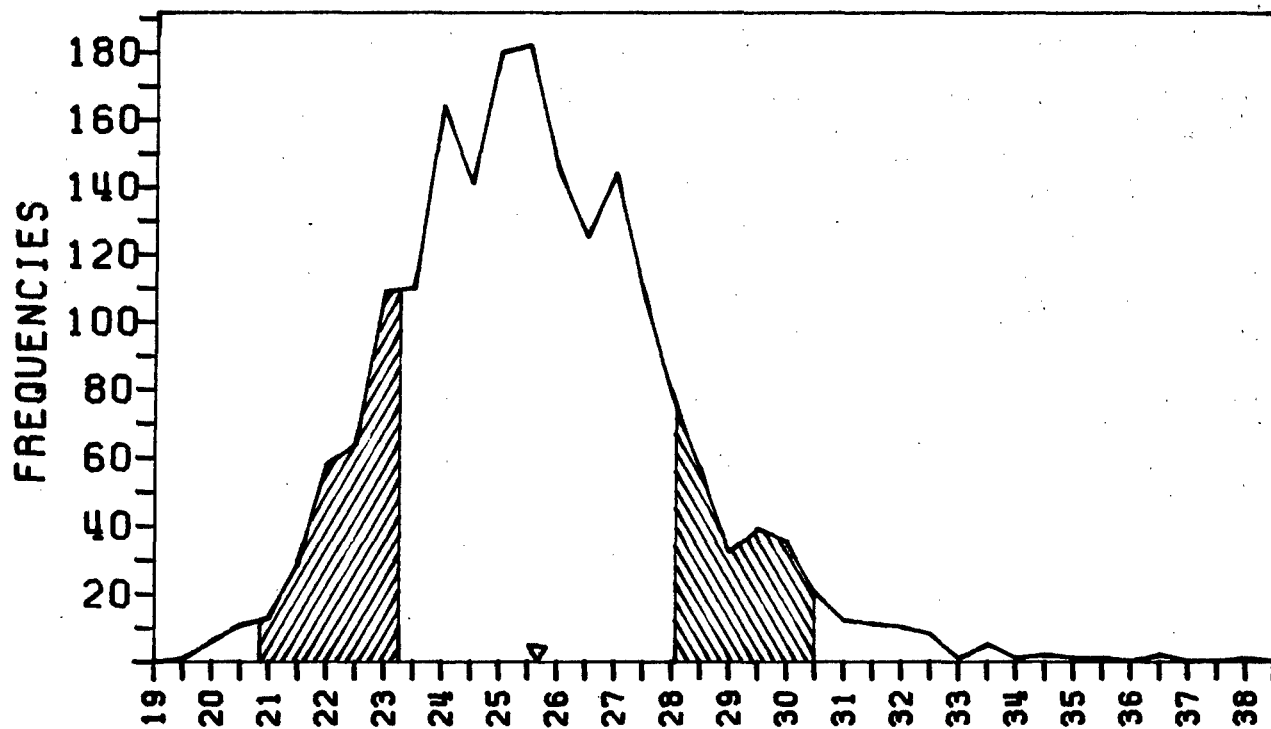
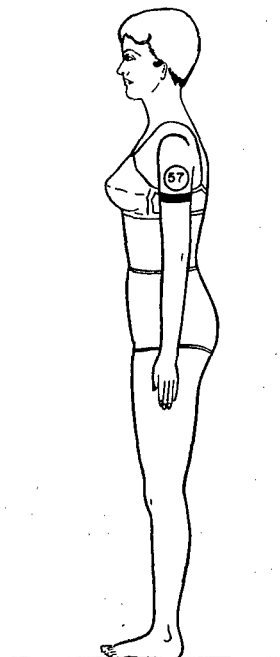
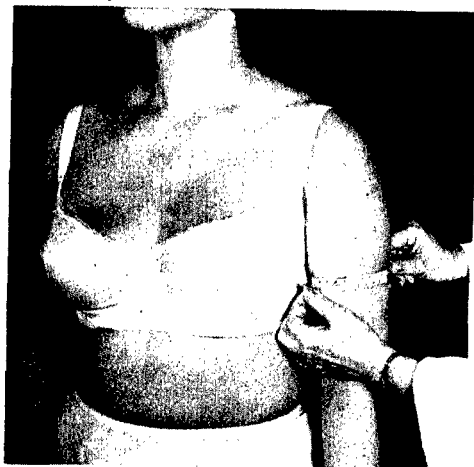
THE PERCENTILES

CENTIMETERS INCHES

33.17	99TH	13.06
32.14	98TH	12.65
31.54	97TH	12.42
30.78	95TH	12.12
29.71	90TH	11.70
29.05	85TH	11.44
28.56	80TH	11.24
28.14	75TH	11.08
27.79	70TH	10.94
27.47	65TH	10.81
27.17	60TH	10.70
26.88	55TH	10.58
26.60	50TH	10.47
26.33	45TH	10.37
26.06	40TH	10.26
25.78	35TH	10.15
25.49	30TH	10.03
25.18	25TH	9.91
24.84	20TH	9.78
24.45	15TH	9.63
23.98	10TH	9.44
23.31	5TH	9.18
22.91	3RD	9.02
22.63	2ND	8.91
22.23	1ST	8.75

(57) BICEPS CIRCUMFERENCE, RELAXED, LEFT

Subject stands with left arm slightly abducted. With a tape held in a plane perpendicular to the long axis of the upper arm, measure the circumference of the arm at the level of the biceps landmark.



RANGES*	F	CUMF	FPCT	CUMPCT
37.75- 38.25	1	1905	0.05	100.00
37.25- 37.75	0	1904	0.00	99.95
36.75- 37.25	0	1904	0.00	99.95
36.25- 36.75	2	1904	0.10	99.95
35.75- 36.25	0	1902	0.00	99.84
35.25- 35.75	1	1902	0.05	99.84
34.75- 35.25	1	1901	0.05	99.79
34.25- 34.75	2	1900	0.10	99.74
33.75- 34.25	1	1898	0.05	99.63
33.25- 33.75	5	1897	0.26	99.58
32.75- 33.25	1	1892	0.05	99.32
32.25- 32.75	8	1891	0.42	99.27
31.75- 32.25	10	1883	0.52	98.85
31.25- 31.75	11	1873	0.58	98.32
30.75- 31.25	12	1862	0.63	97.74
30.25- 30.75	20	1850	1.05	97.11
29.75- 30.25	35	1830	1.84	96.06
29.25- 29.75	39	1795	2.05	94.23
28.75- 29.25	32	1756	1.68	92.18
28.25- 28.75	56	1724	2.94	90.50
27.75- 28.25	78	1668	4.09	87.56
27.25- 27.75	108	1590	5.67	83.46
26.75- 27.25	144	1482	7.56	77.80
26.25- 26.75	125	1338	6.56	70.24
25.75- 26.25	145	1213	7.61	63.67
25.25- 25.75	182	1068	9.55	56.06
24.75- 25.25	180	886	9.45	46.51
24.25- 24.75	141	706	7.40	37.06
23.75- 24.25	164	565	8.61	29.66
23.25- 23.75	110	401	5.77	21.05
22.75- 23.25	109	291	5.72	15.28
22.25- 22.75	64	182	3.36	9.55
21.75- 22.25	58	118	3.04	6.19
21.25- 21.75	29	60	1.52	3.15
20.75- 21.25	13	31	0.68	1.63
20.25- 20.75	11	18	0.58	0.94
19.75- 20.25	6	7	0.31	0.37
19.25- 19.75	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS INCHES

25.66 MEAN VALUE 10.10
0.06 SE(MEAN) 0.02
2.41 SD DEVIATION 0.95
0.04 SE(SD DEV) 0.02

SYMMETRY---VETA I = 0.65
KURTOSIS---VETA II = 4.11
COEF. OF VARIATION = 9.4%

NUMBER OF SUBJECTS = 1905

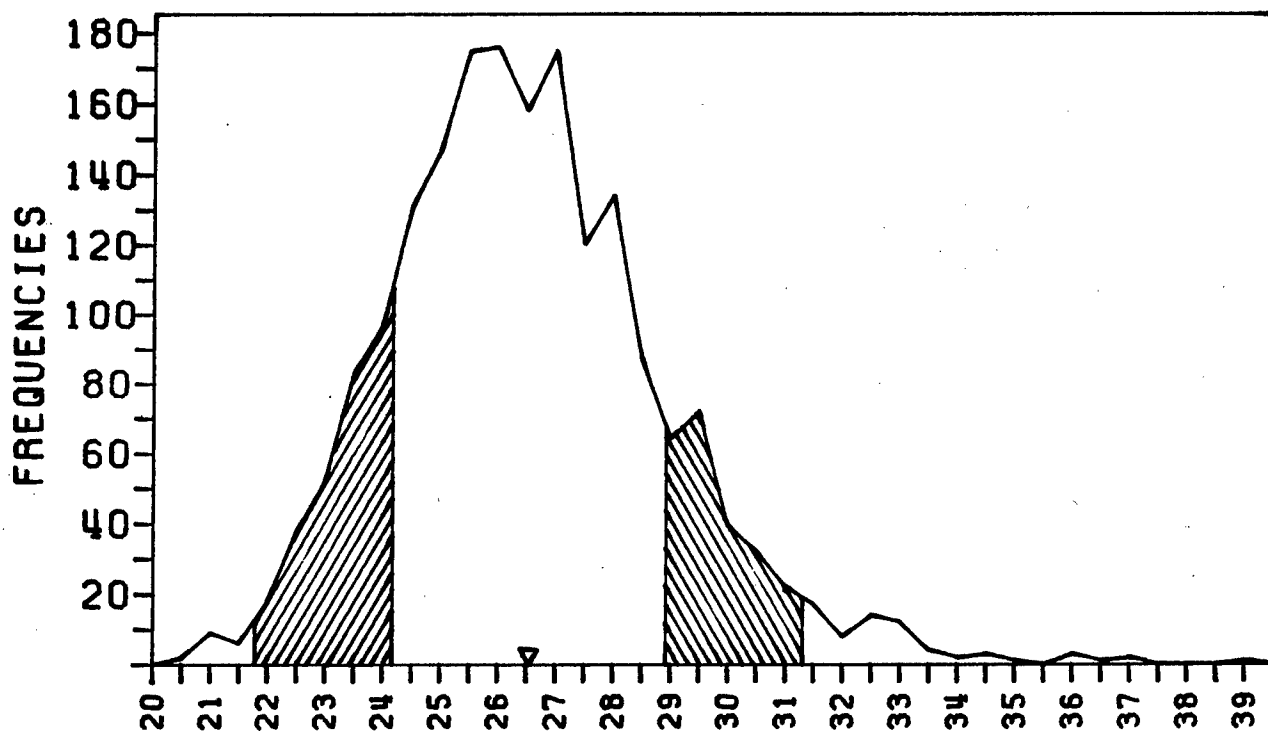
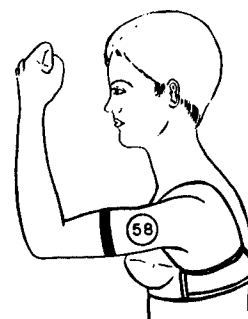
THE PERCENTILES

CENTIMETERS INCHES

32.48	99TH	12.79
31.38	98TH	12.35
30.73	97TH	12.10
29.90	95TH	11.77
28.73	90TH	11.31
28.02	85TH	11.03
27.48	80TH	10.82
27.04	75TH	10.65
26.66	70TH	10.50
26.32	65TH	10.36
26.01	60TH	10.24
25.71	55TH	10.12
25.43	50TH	10.01
25.15	45TH	9.90
24.87	40TH	9.79
24.59	35TH	9.68
24.30	30TH	9.57
23.99	25TH	9.45
23.66	20TH	9.31
23.27	15TH	9.16
22.79	10TH	8.97
22.09	5TH	8.70
21.65	3RD	8.52
21.33	2ND	8.40
20.83	1ST	8.20

(58) BICEPS CIRCUMFERENCE, FLEXED, LEFT

Subject stands, left upper arm raised so that its long axis is horizontal, elbow flexed 90 degrees, biceps strongly contracted, and fist tightly clenched. With a tape held in a plane perpendicular to the long axis of the upper arm, measure the circumference of the arm at the level of the biceps landmark.



RANGES*	F	CUMF	FPCT	CUMPCT
38.75- 39.25	1	1905	0.05	100.00
38.25- 38.75	0	1904	0.00	99.95
37.75- 38.25	0	1904	0.00	99.95
37.25- 37.75	0	1904	0.00	99.95
36.75- 37.25	2	1904	0.10	99.95
36.25- 36.75	1	1902	0.05	99.84
35.75- 36.25	3	1901	0.16	99.79
35.25- 35.75	0	1898	0.00	99.63
34.75- 35.25	1	1898	0.05	99.63
34.25- 34.75	3	1897	0.16	99.58
33.75- 34.25	2	1894	0.10	99.42
33.25- 33.75	4	1892	0.21	99.32
32.75- 33.25	12	1888	0.63	99.11
32.25- 32.75	14	1876	0.73	98.48
31.75- 32.25	8	1862	0.42	97.74
31.25- 31.75	17	1854	0.89	97.32
30.75- 31.25	22	1837	1.15	96.43
30.25- 30.75	32	1815	1.68	95.28
29.75- 30.25	39	1783	2.05	93.60
29.25- 29.75	72	1744	3.78	91.55
28.75- 29.25	64	1672	3.36	87.77
28.25- 28.75	87	1608	4.57	84.41
27.75- 28.25	134	1521	7.03	79.84
27.25- 27.75	120	1387	6.30	72.81
26.75- 27.25	175	1267	9.19	66.51
26.25- 26.75	158	1092	8.29	57.32
25.75- 26.25	176	934	9.24	49.03
25.25- 25.75	175	758	9.19	39.79
24.75- 25.25	147	583	7.72	30.60
24.25- 24.75	131	436	6.88	22.89
23.75- 24.25	97	305	5.09	16.01
23.25- 23.75	83	208	4.36	10.92
22.75- 23.25	52	125	2.73	6.56
22.25- 22.75	38	73	1.99	3.83
21.75- 22.25	18	35	0.94	1.84
21.25- 21.75	6	17	0.31	0.89
20.75- 21.25	9	11	0.47	0.58
20.25- 20.75	2	2	0.10	0.10

*IN CENTIMETERS

CENTIMETERS INCHES

26.54 MEAN VALUE 10.45
0.05 SE(MEAN) 0.02
2.38 SD DEVIATION 0.94
0.04 SE(SD DEV) 0.02

SYMMETRY---VETA I = 0.66
KURTOSIS---VETA II = 4.23
COEF. OF VARIATION = 9.0%

NUMBER OF SUBJECTS = 1905

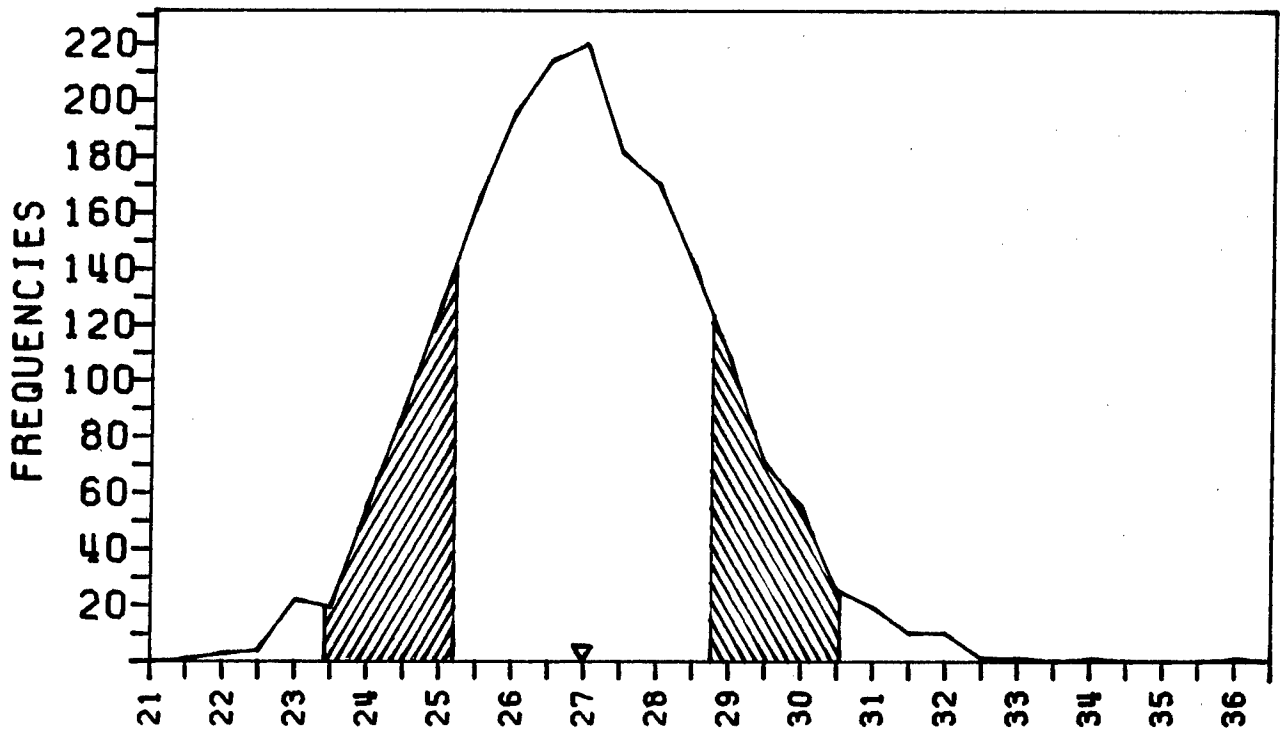
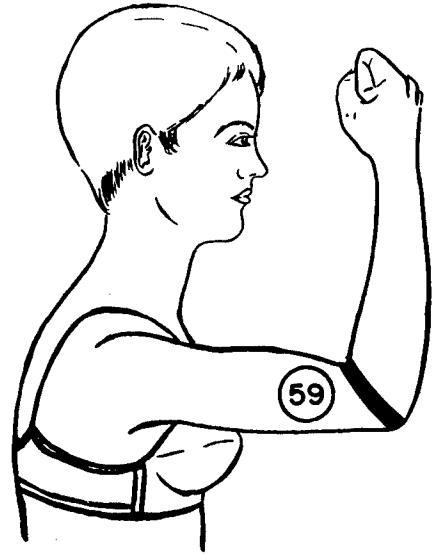
THE PERCENTILES

CENTIMETERS INCHES

33.30	99TH	13.11
32.20	98TH	12.68
31.55	97TH	12.42
30.72	95TH	12.10
29.57	90TH	11.64
28.86	85TH	11.36
28.34	80TH	11.16
27.90	75TH	10.98
27.52	70TH	10.84
27.19	65TH	10.70
26.88	60TH	10.58
26.59	55TH	10.47
26.30	50TH	10.36
26.03	45TH	10.25
25.75	40TH	10.14
25.47	35TH	10.03
25.18	30TH	9.91
24.87	25TH	9.79
24.54	20TH	9.66
24.15	15TH	9.51
23.68	10TH	9.32
23.00	5TH	9.05
22.57	3RD	8.88
22.26	2ND	8.76
21.80	1ST	8.58

(59) ELBOW CIRCUMFERENCE, FLEXED

Subject stands, right upper arm raised so that its long axis is horizontal, elbow flexed 90 degrees, fist tightly clenched and biceps strongly contracted. With a tape passing over the tip and through the crotch of the elbow, measure the circumference of the elbow.



RANGES*	F	CUMF	FPCT	CUMPT
35.75- 36.25	1	1905	0.05	100.00
35.25- 35.75	0	1904	0.00	99.95
34.75- 35.25	0	1904	0.00	99.95
34.25- 34.75	0	1904	0.00	99.95
33.75- 34.25	1	1904	0.05	99.95
33.25- 33.75	0	1903	0.00	99.90
32.75- 33.25	1	1903	0.05	99.90
32.25- 32.75	1	1902	0.05	99.84
31.75- 32.25	10	1901	0.52	99.79
31.25- 31.75	10	1891	0.52	99.27
30.75- 31.25	19	1881	1.00	98.74
30.25- 30.75	25	1862	1.31	97.74
29.75- 30.25	55	1837	2.89	96.43
29.25- 29.75	70	1782	3.67	93.54
28.75- 29.25	108	1712	5.67	89.87
28.25- 28.75	141	1604	7.40	84.20
27.75- 28.25	170	1463	8.92	76.80
27.25- 27.75	181	1293	9.50	67.87
26.75- 27.25	220	1112	11.55	58.37
26.25- 26.75	214	892	11.23	46.82
25.75- 26.25	195	678	10.24	35.59
25.25- 25.75	164	483	8.61	25.35
24.75- 25.25	126	319	6.61	16.75
24.25- 24.75	89	193	4.67	10.13
23.75- 24.25	55	104	2.89	5.46
23.25- 23.75	19	49	1.00	2.57
22.75- 23.25	22	30	1.15	1.57
22.25- 22.75	4	8	0.21	0.42
21.75- 22.25	3	4	0.16	0.21
21.25- 21.75	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS INCHES

26.98 MEAN VALUE 10.62
0.04 SE(MEAN) 0.02
1.78 SD DEVIATION 0.70
0.03 SE(SD DEV) 0.01

SYMMETRY---VETA I = 0.26
KURTOSIS---VETA II = 3.31
COEF. OF VARIATION = 6.6%

NUMBER OF SUBJECTS = 1905

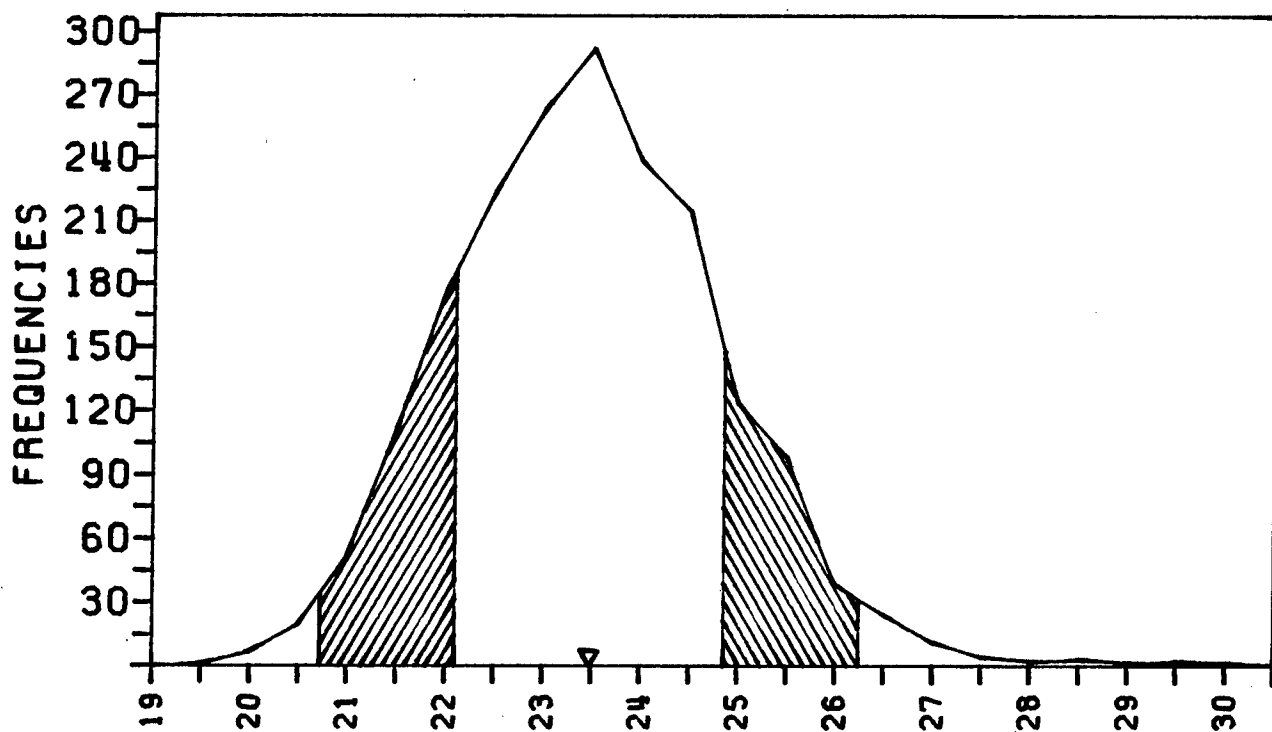
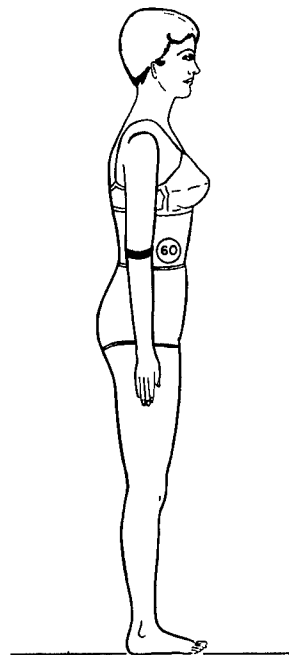
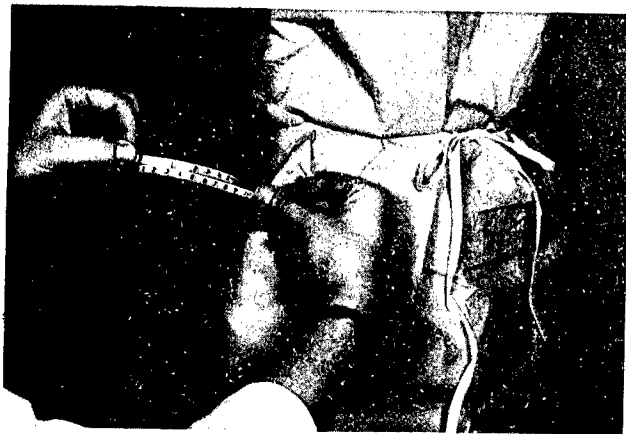
THE PERCENTILES

CENTIMETERS INCHES

31.47	99TH	12.39
30.88	98TH	12.16
30.51	97TH	12.01
30.02	95TH	11.82
29.29	90TH	11.53
28.81	85TH	11.34
28.43	80TH	11.19
28.12	75TH	11.07
27.84	70TH	10.96
27.58	65TH	10.86
27.34	60TH	10.77
27.12	55TH	10.68
26.89	50TH	10.59
26.67	45TH	10.50
26.45	40TH	10.41
26.23	35TH	10.33
25.99	30TH	10.23
25.74	25TH	10.13
25.46	20TH	10.02
25.14	15TH	9.90
24.74	10TH	9.74
24.15	5TH	9.51
23.76	3RD	9.36
23.48	2ND	9.24
23.03	1ST	9.07

(60) FOREARM CIRCUMFERENCE, RELAXED

Subject stands erect with right arm slightly abducted and hand relaxed. With a tape held in a plane perpendicular to the long axis of the forearm, measure the circumference of the arm at the level of the forearm landmark.



RANGES*	F	CUMF	FPCT	CUMPCT
29.75- 30.25	1	1905	0.05	100.00
29.25- 29.75	2	1904	0.10	99.95
28.75- 29.25	1	1902	0.05	99.84
28.25- 28.75	3	1901	0.16	99.79
27.75- 28.25	2	1898	0.10	99.63
27.25- 27.75	4	1896	0.21	99.53
26.75- 27.25	11	1892	0.58	99.32
26.25- 26.75	24	1881	1.26	98.74
25.75- 26.25	38	1857	1.99	97.48
25.25- 25.75	98	1819	5.14	95.49
24.75- 25.25	123	1721	6.46	90.34
24.25- 24.75	214	1598	11.23	83.88
23.75- 24.25	238	1384	12.49	72.65
23.25- 23.75	292	1146	15.33	60.16
22.75- 23.25	263	854	13.81	44.83
22.25- 22.75	224	591	11.76	31.02
21.75- 22.25	176	367	9.24	19.27
21.25- 21.75	111	191	5.83	10.03
20.75- 21.25	52	80	2.73	4.20
20.25- 20.75	20	28	1.05	1.47
19.75- 20.25	7	8	0.37	0.42
19.25- 19.75	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS INCHES

23.48 MEAN VALUE 9.24
0.03 SE(MEAN) 0.01
1.38 SD DEVIATION 0.54
0.02 SE(SD DEV) 0.01

SYMMETRY---VETA I = 0.38
KURTOSIS---VETA II = 3.63
COEF. OF VARIATION = 5.9%

NUMBER OF SUBJECTS = 1905

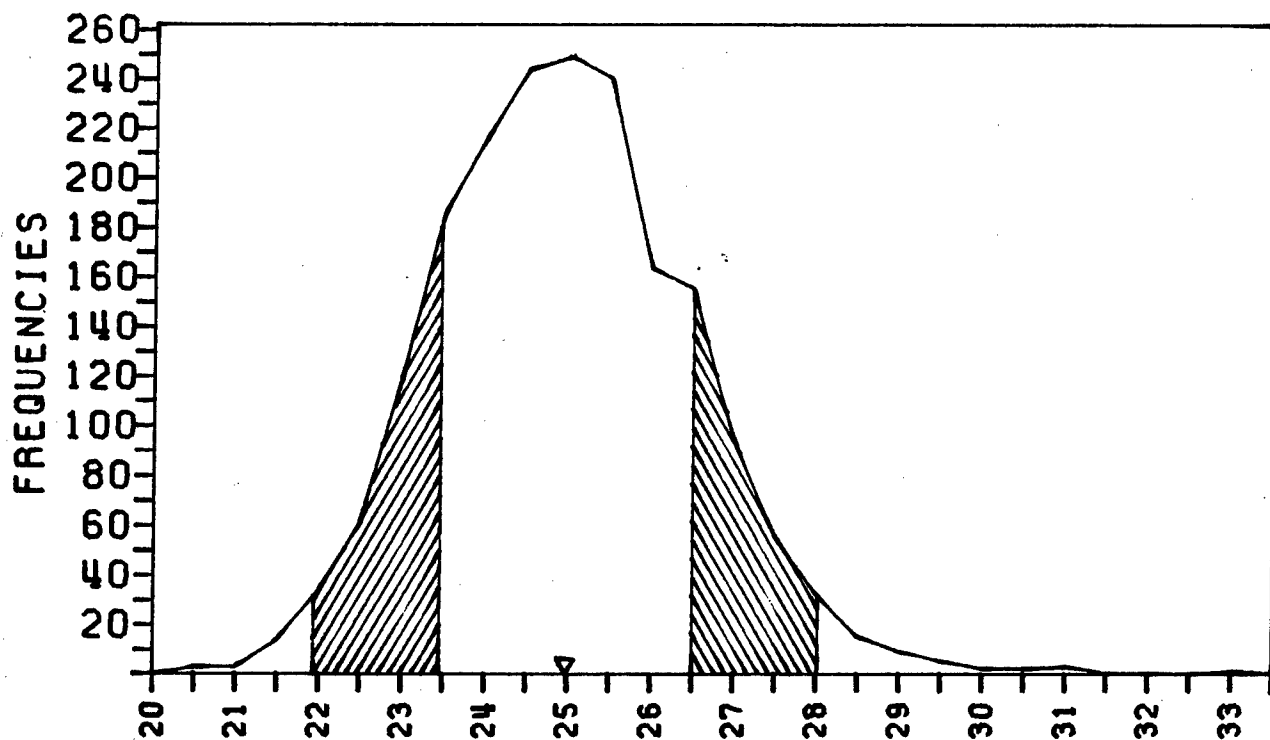
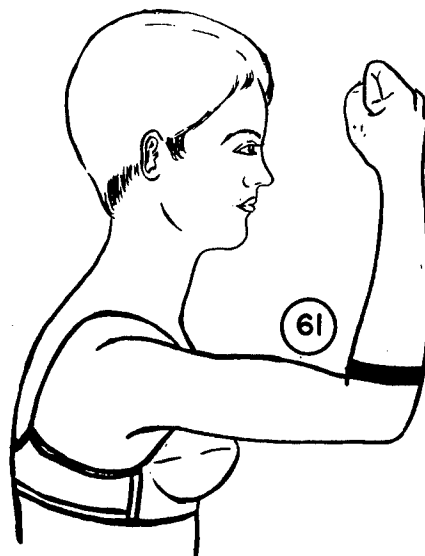
THE PERCENTILES

CENTIMETERS INCHES

26.96	99TH	10.61
26.45	98TH	10.41
26.15	97TH	10.29
25.76	95TH	10.14
25.20	90TH	9.92
24.84	85TH	9.78
24.56	80TH	9.67
24.33	75TH	9.58
24.12	70TH	9.50
23.93	65TH	9.42
23.76	60TH	9.35
23.58	55TH	9.29
23.41	50TH	9.22
23.25	45TH	9.15
23.08	40TH	9.09
22.90	35TH	9.02
22.72	30TH	8.94
22.52	25TH	8.87
22.30	20TH	8.78
22.05	15TH	8.68
21.73	10TH	8.56
21.29	5TH	8.38
21.02	3RD	8.27
20.83	2ND	8.20
20.56	1ST	8.09

(61) FOREARM CIRCUMFERENCE, FLEXED

Subject stands, right upper arm raised so that its long axis is horizontal, elbow flexed 90 degrees, and fist tightly clenched. With a tape held in a plane perpendicular to the long axis of the forearm, measure the circumference of the arm at the level of the forearm landmark.



CENTIMETERS INCHES

24.98 MEAN VALUE 9.83
0.03 SE(MEAN) 0.01
1.52 SD DEVIATION 0.60
0.02 SE(SD DEV) 0.01

SYMMETRY---VETA I = 0.34
KURTOSIS---VETA II = 3.59
COEF. OF VARIATION = 6.1%

NUMBER OF SUBJECTS = 1905

THE PERCENTILES

CENTIMETERS INCHES

28.86	99TH	11.36
28.30	98TH	11.14
27.96	97TH	11.01
27.53	95TH	10.84
26.90	90TH	10.59
26.49	85TH	10.43
26.18	80TH	10.31
25.92	75TH	10.20
25.69	70TH	10.11
25.47	65TH	10.03
25.27	60TH	9.95
25.08	55TH	9.88
24.90	50TH	9.80
24.71	45TH	9.73
24.52	40TH	9.65
24.33	35TH	9.58
24.12	30TH	9.50
23.91	25TH	9.41
23.66	20TH	9.32
23.39	15TH	9.21
23.04	10TH	9.07
22.55	5TH	8.88
22.25	3RD	8.76
22.04	2ND	8.68
21.73	1ST	8.55

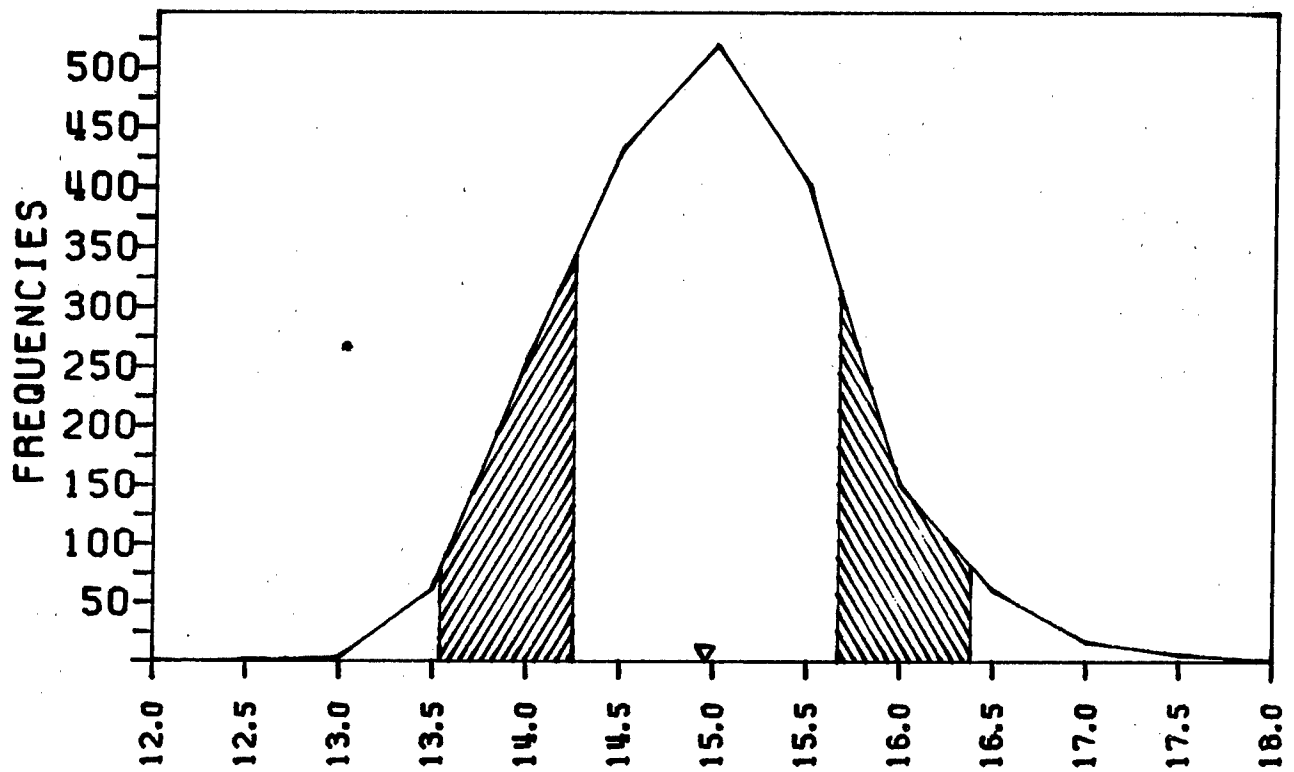
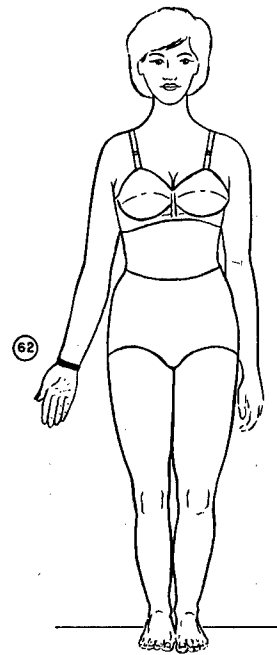
RANGES* F CUMF FPCT CUMPCCT

32.75- 33.25	1	1905	0.05	100.00
32.25- 32.75	0	1904	0.00	99.95
31.75- 32.25	0	1904	0.00	99.95
31.25- 31.75	0	1904	0.00	99.95
30.75- 31.25	3	1904	0.16	99.95
30.25- 30.75	2	1901	0.10	99.79
29.75- 30.25	2	1899	0.10	99.69
29.25- 29.75	5	1897	0.26	99.58
28.75- 29.25	9	1892	0.47	99.32
28.25- 28.75	15	1883	0.79	98.85
27.75- 28.25	32	1868	1.68	98.06
27.25- 27.75	55	1836	2.89	96.38
26.75- 27.25	94	1781	4.93	93.49
26.25- 26.75	155	1687	8.14	88.56
25.75- 26.25	163	1532	8.56	80.42
25.25- 25.75	240	1369	12.60	71.86
24.75- 25.25	249	1129	13.07	59.27
24.25- 24.75	244	880	12.81	46.19
23.75- 24.25	216	636	11.34	33.39
23.25- 23.75	186	420	9.76	22.05
22.75- 23.25	119	234	6.25	12.28
22.25- 22.75	61	115	3.20	6.04
21.75- 22.25	34	54	1.78	2.83
21.25- 21.75	14	20	0.73	1.05
20.75- 21.25	3	6	0.16	0.31
20.25- 20.75	3	3	0.16	0.16

*IN CENTIMETERS

(62) WRIST CIRCUMFERENCE

Subject stands with right arm slightly abducted. With a tape held in a plane perpendicular to the long axis of the forearm and hand, measure the circumference of the wrist at the level of the stylium landmark.



CENTIMETERS INCHES

14.96 MEAN VALUE 5.89
 0.02 SE(MEAN) 0.01
 0.71 SD DEVIATION 0.28
 0.01 SE(SD DEV) 0.00

SYMMETRY---VETA I = 0.26
 KURTOSIS---VETA II = 3.14
 COEF. OF VARIATION = 4.8%

NUMBER OF SUBJECTS = 1905

RANGES*	F	CUMF	FPCT	CUMPC
17.25- 17.75	5	1905	0.26	100.00
16.75- 17.25	16	1900	0.84	99.74
16.25- 16.75	60	1884	3.15	98.90
15.75- 16.25	149	1824	7.82	95.75
15.25- 15.75	401	1675	21.05	87.93
14.75- 15.25	520	1274	27.30	66.88
14.25- 14.75	432	754	22.68	39.58
13.75- 14.25	256	322	13.44	16.90
13.25- 13.75	62	66	3.25	3.46
12.75- 13.25	3	4	0.16	0.21
12.25- 12.75	1	1	0.05	0.05

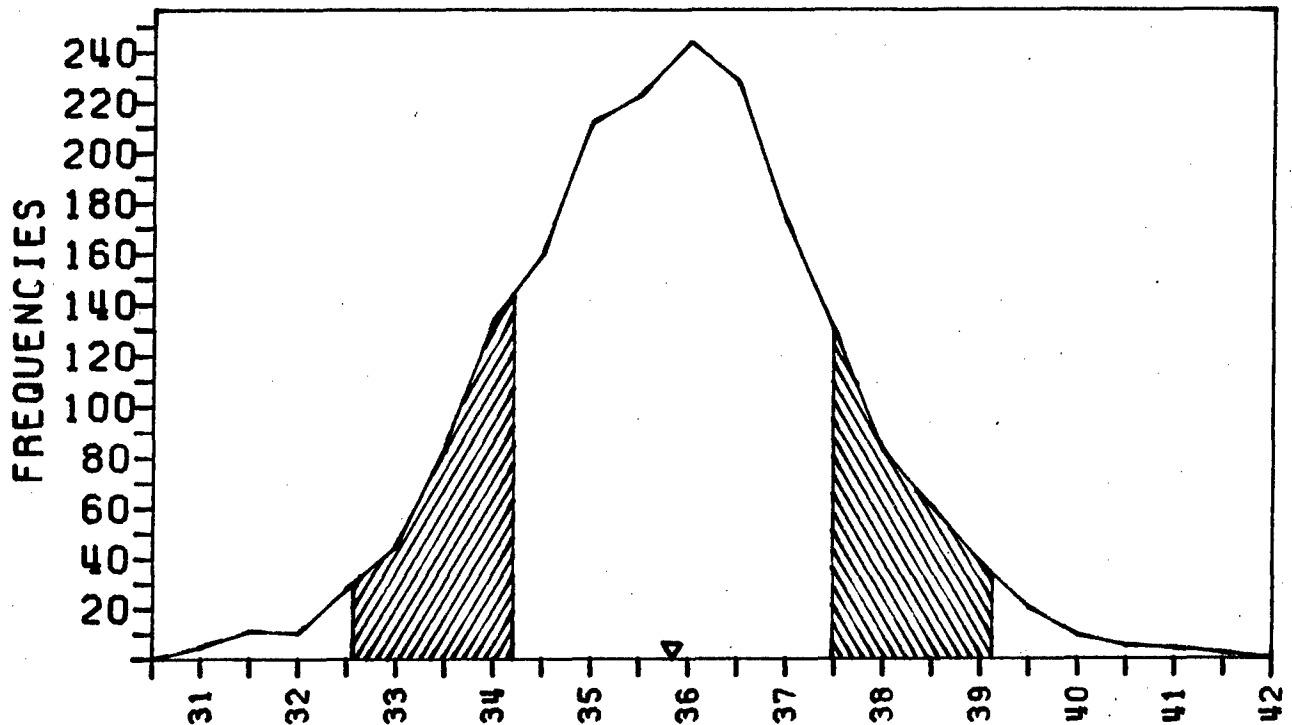
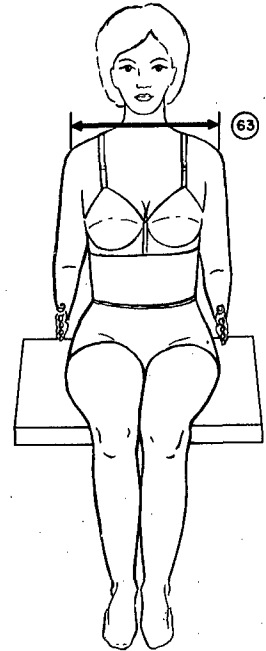
THE PERCENTILES

CENTIMETERS		INCHES
16.83	99TH	6.63
16.58	98TH	6.53
16.42	97TH	6.46
16.21	95TH	6.38
15.91	90TH	6.26
15.71	85TH	6.19
15.56	80TH	6.13
15.43	75TH	6.08
15.32	70TH	6.03
15.21	65TH	5.99
15.12	60TH	5.95
15.02	55TH	5.91
14.93	50TH	5.88
14.84	45TH	5.84
14.74	40TH	5.80
14.65	35TH	5.77
14.55	30TH	5.73
14.44	25TH	5.69
14.33	20TH	5.64
14.19	15TH	5.59
14.02	10TH	5.52
13.79	5TH	5.43
13.64	3RD	5.37
13.54	2ND	5.33
13.38	1ST	5.27

*IN CENTIMETERS

(63) BIACROMIAL BREADTH

Subject sits erect looking straight ahead, upper arms hanging relaxed, forearms and hands extended forward horizontally. With a beam caliper, measure the distance between the acromial landmarks.



RANGES*	F	CUMF	FPCT	CUM PCT
41.25- 41.75	2	1905	0.10	100.00
40.75- 41.25	4	1903	0.21	99.90
40.25- 40.75	5	1899	0.26	99.69
39.75- 40.25	9	1894	0.47	99.42
39.25- 39.75	20	1885	1.05	98.95
38.75- 39.25	38	1865	1.99	97.90
38.25- 38.75	60	1827	3.15	95.91
37.75- 38.25	82	1767	4.30	92.76
37.25- 37.75	129	1685	6.77	88.45
36.75- 37.25	172	1556	9.03	81.68
36.25- 36.75	228	1384	11.97	72.65
35.75- 36.25	244	1156	12.81	60.68
35.25- 35.75	223	912	11.71	47.87
34.75- 35.25	212	689	11.13	36.17
34.25- 34.75	160	477	8.40	25.04
33.75- 34.25	134	317	7.03	16.64
33.25- 33.75	84	183	4.41	9.61
32.75- 33.25	45	99	2.36	5.20
32.25- 32.75	28	54	1.47	2.83
31.75- 32.25	10	26	0.52	1.36
31.25- 31.75	11	16	0.58	0.84
30.75- 31.25	5	5	0.26	0.26

*IN CENTIMETERS

CENTIMETERS INCHES

35.84 MEAN VALUE 14.11
0.04 SE(MEAN) 0.01
1.64 SD DEVIATION 0.65
0.03 SE(SD DEV) 0.01

SYMMETRY---VETA I = 0.09
KURTOSIS---VETA II = 3.19
COEF. OF VARIATION = 4.6%

NUMBER OF SUBJECTS = 1905

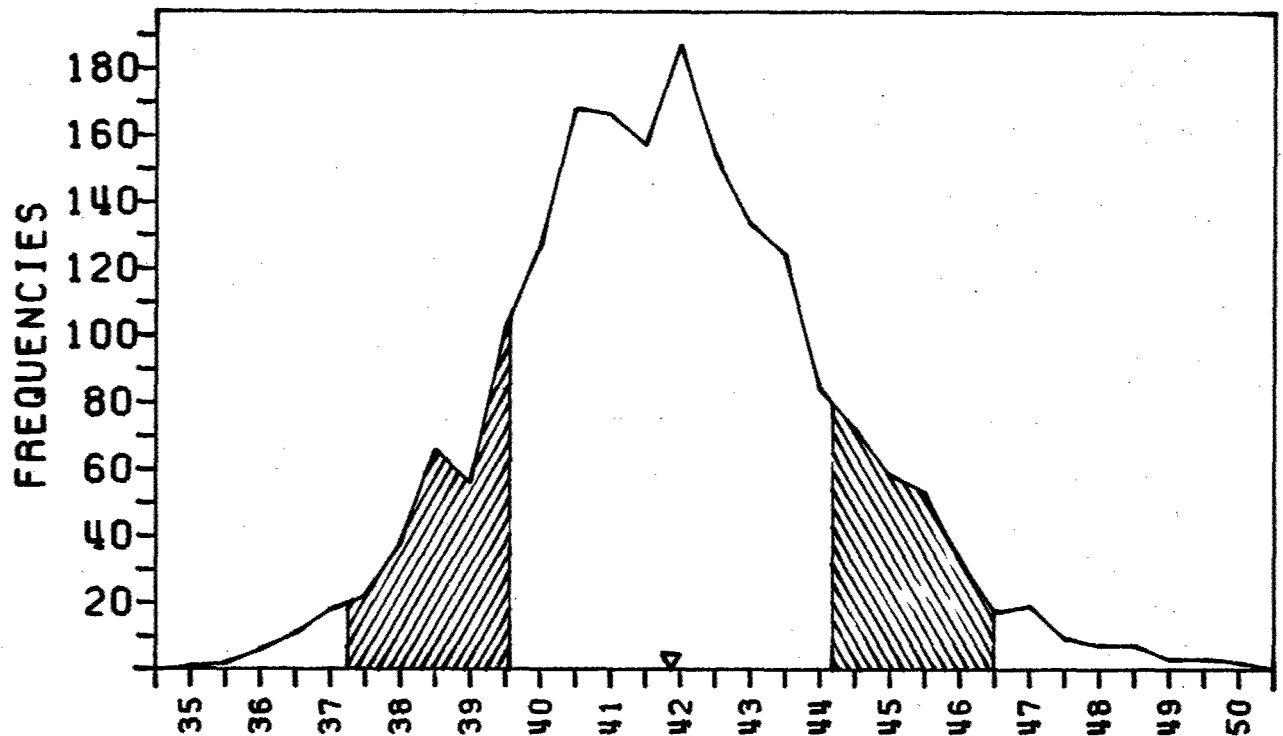
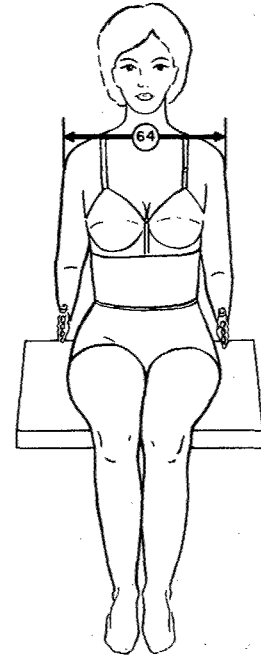
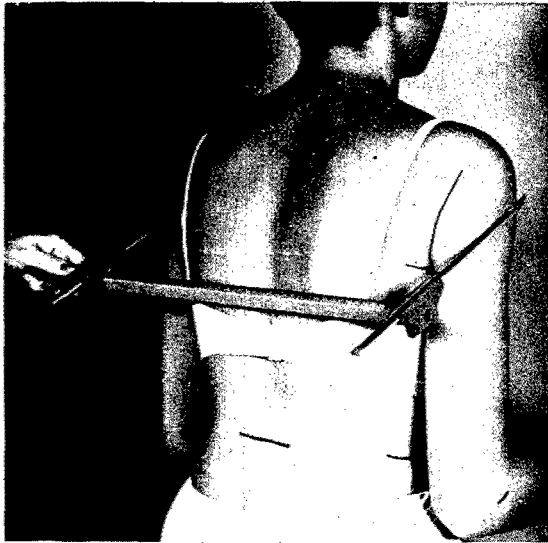
THE PERCENTILES

CENTIMETERS INCHES

39.80	99TH	15.67
39.31	98TH	15.48
39.00	97TH	15.36
38.58	95TH	15.19
37.94	90TH	14.94
37.51	85TH	14.77
37.18	80TH	14.64
36.90	75TH	14.53
36.65	70TH	14.43
36.42	65TH	14.34
36.21	60TH	14.26
36.00	55TH	14.17
35.80	50TH	14.10
35.60	45TH	14.02
35.40	40TH	13.94
35.20	35TH	13.86
34.98	30TH	13.77
34.75	25TH	13.68
34.48	20TH	13.58
34.18	15TH	13.46
33.78	10TH	13.30
33.18	5TH	13.06
32.77	3RD	12.90
32.45	2ND	12.78
31.92	1ST	12.57

(64) BIDELOID BREADTH

Subject sits erect looking straight ahead, upper arms hanging relaxed, forearms and hands extended forward horizontally. With a beam caliper, measure the horizontal distance across the body at the level of the deltoid landmark.



CENTIMETERS

INCHES

41.87 MEAN VALUE 16.49
 0.05 SE(MEAN) 0.02
 2.31 SD DEVIATION 0.91
 0.04 SE(SD DEV) 0.01

SYMMETRY---VETA I = 0.26
 KURTOSIS---VETA II = 3.23
 COEF. OF VARIATION = 5.5%

NUMBER OF SUBJECTS = 1905

THE PERCENTILES

CENTIMETERS

INCHES

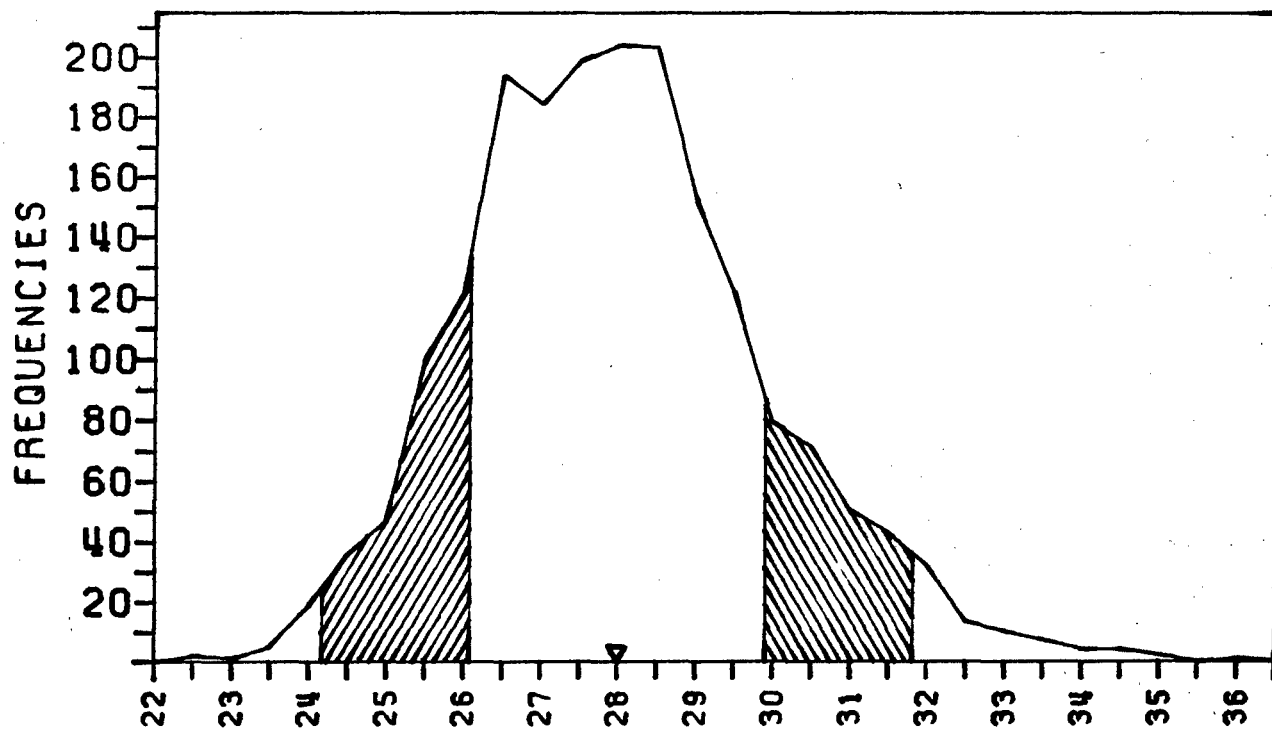
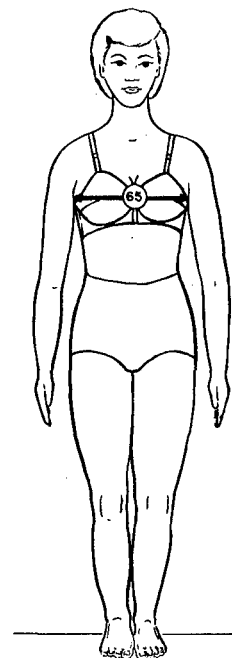
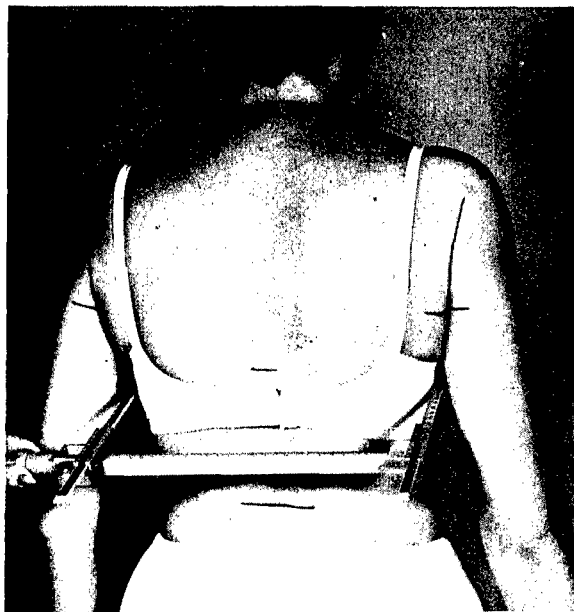
47.95	99TH	18.88
47.08	98TH	18.53
46.55	97TH	18.32
45.85	95TH	18.05
44.85	90TH	17.66
44.21	85TH	17.41
43.72	80TH	17.21
43.31	75TH	17.05
42.96	70TH	16.91
42.63	65TH	16.78
42.33	60TH	16.67
42.04	55TH	16.55
41.76	50TH	16.44
41.48	45TH	16.33
41.21	40TH	16.22
40.92	35TH	16.11
40.62	30TH	15.99
40.30	25TH	15.87
39.94	20TH	15.73
39.53	15TH	15.56
39.01	10TH	15.36
38.22	5TH	15.05
37.69	3RD	14.84
37.30	2ND	14.69
36.67	1ST	14.44

RANGES*	F	CUMF	FPCT	CUMPCT
49.75- 50.25	2	1905	0.10	100.00
49.25- 49.75	3	1903	0.16	99.90
48.75- 49.25	3	1900	0.16	99.74
48.25- 48.75	7	1897	0.37	99.58
47.75- 48.25	7	1890	0.37	99.21
47.25- 47.75	9	1883	0.47	98.85
46.75- 47.25	19	1874	1.00	98.37
46.25- 46.75	17	1855	0.89	97.38
45.75- 46.25	33	1838	1.73	96.48
45.25- 45.75	53	1805	2.78	94.75
44.75- 45.25	58	1752	3.04	91.97
44.25- 44.75	72	1694	3.78	88.92
43.75- 44.25	84	1622	4.41	85.14
43.25- 43.75	124	1538	6.51	80.73
42.75- 43.25	133	1414	6.98	74.23
42.25- 42.75	154	1281	8.08	67.24
41.75- 42.25	187	1127	9.82	59.16
41.25- 41.75	157	940	8.24	49.34
40.75- 41.25	166	783	8.71	41.10
40.25- 40.75	168	617	8.82	32.39
39.75- 40.25	127	449	6.67	23.57
39.25- 39.75	102	322	5.35	16.90
38.75- 39.25	56	220	2.94	11.55
38.25- 38.75	66	164	3.46	8.61
37.75- 38.25	38	98	1.99	5.14
37.25- 37.75	22	60	1.15	3.15
36.75- 37.25	18	38	0.94	1.99
36.25- 36.75	11	20	0.58	1.05
35.75- 36.25	6	9	0.31	0.47
35.25- 35.75	2	3	0.10	0.16
34.75- 35.25	1	1	0.05	0.05

*IN CENTIMETERS

(65) CHEST BREADTH

Subject stands erect looking straight ahead with arms slightly abducted. With a beam caliper, measure the horizontal distance across the trunk at the level of the bustpoint landmarks.



RANGES*	F	CUMF	FPCT	CUMPC
35.75- 36.25	1	1905	0.05	100.00
35.25- 35.75	0	1904	0.00	99.95
34.75- 35.25	2	1904	0.10	99.95
34.25- 34.75	4	1902	0.21	99.84
33.75- 34.25	4	1898	0.21	99.63
33.25- 33.75	7	1894	0.37	99.42
32.75- 33.25	10	1887	0.52	99.06
32.25- 32.75	13	1877	0.68	98.53
31.75- 32.25	32	1864	1.68	97.85
31.25- 31.75	43	1832	2.26	96.17
30.75- 31.25	50	1789	2.62	93.91
30.25- 30.75	71	1739	3.73	91.29
29.75- 30.25	79	1668	4.15	87.56
29.25- 29.75	121	1589	6.35	83.41
28.75- 29.25	152	1468	7.98	77.06
28.25- 28.75	203	1316	10.66	69.08
27.75- 28.25	204	1113	10.71	58.43
27.25- 27.75	199	909	10.45	47.72
26.75- 27.25	184	710	9.66	37.27
26.25- 26.75	194	526	10.18	27.61
25.75- 26.25	122	332	6.40	17.43
25.25- 25.75	100	210	5.25	11.02
24.75- 25.25	47	110	2.47	5.77
24.25- 24.75	36	63	1.89	3.31
23.75- 24.25	19	27	1.00	1.42
23.25- 23.75	5	8	0.26	0.42
22.75- 23.25	1	3	0.05	0.16
22.25- 22.75	2	2	0.10	0.10

*IN CENTIMETERS

CENTIMETERS INCHES

27.99	MEAN VALUE	11.02
0.04	SE(MEAN)	0.02
1.91	SD DEVIATION	0.75
0.03	SE(SD DEV)	0.01

SYMMETRY---	VETA I =	0.47
KURTOSIS---	VETA II =	3.39
COEF. OF VARIATION	=	6.8%

NUMBER OF SUBJECTS = 1905

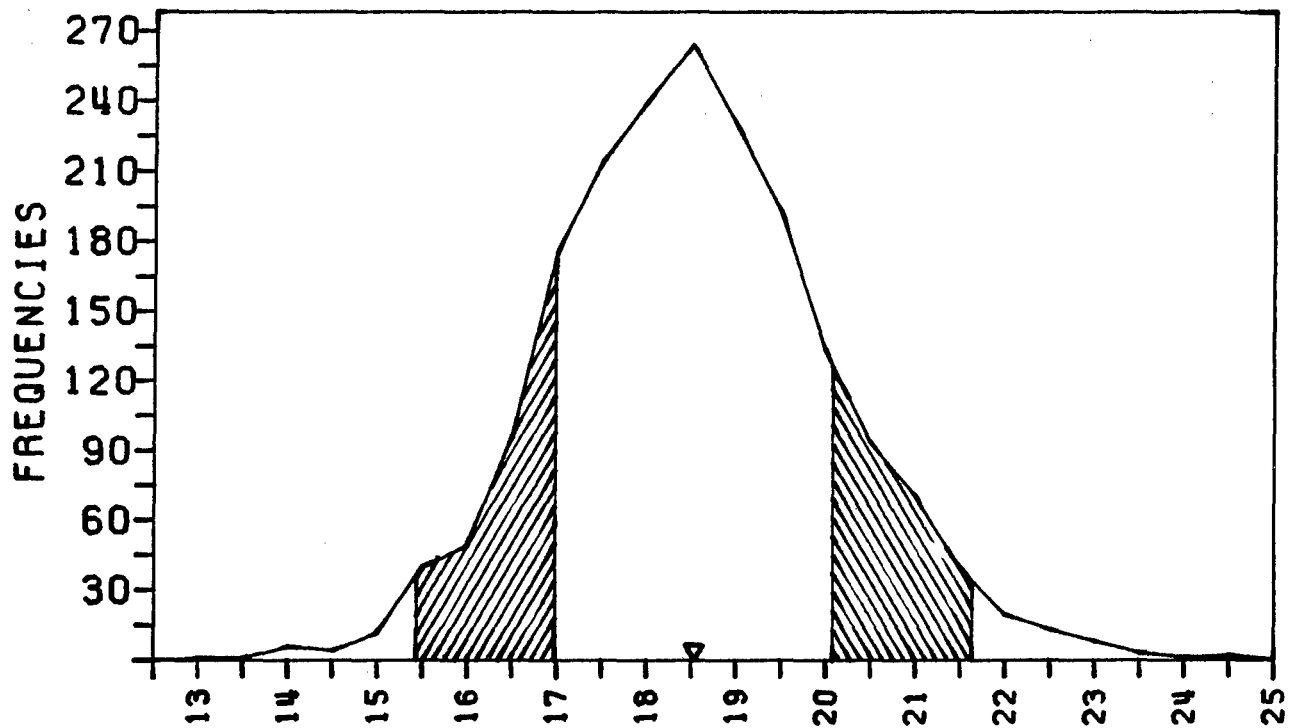
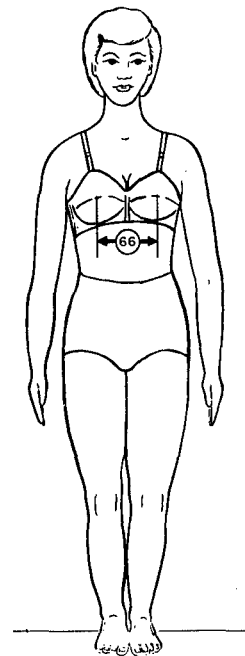
THE PERCENTILES

CENTIMETERS INCHES

33.18	99TH	13.06
32.45	98TH	12.77
32.00	97TH	12.60
31.40	95TH	12.36
30.52	90TH	12.02
29.96	85TH	11.79
29.53	80TH	11.62
29.17	75TH	11.48
28.86	70TH	11.36
28.57	65TH	11.25
28.31	60TH	11.15
28.07	55TH	11.05
27.83	50TH	10.96
27.60	45TH	10.86
27.37	40TH	10.77
27.13	35TH	10.68
26.89	30TH	10.59
26.64	25TH	10.49
26.36	20TH	10.38
26.04	15TH	10.25
25.65	10TH	10.10
25.08	5TH	9.87
24.71	3RD	9.73
24.44	2ND	9.62
24.00	1ST	9.45

(66) BUSTPOINT-TO-BUSTPOINT BREADTH

Subject stands erect looking straight ahead. With a beam caliper, measure the horizontal distance between the bustpoint landmarks.



CENTIMETERS INCHES

18.53 MEAN VALUE 7.30
 0.04 SE(MEAN) 0.01
 1.55 SD DEVIATION 0.61
 0.03 SE(SD DEV) 0.01

SYMMETRY---VETA I = 0.21
 KURTOSIS---VETA II = 3.41
 COEF. OF VARIATION = 8.3%

NUMBER OF SUBJECTS = 1905

THE PERCENTILES

CENTIMETERS INCHES

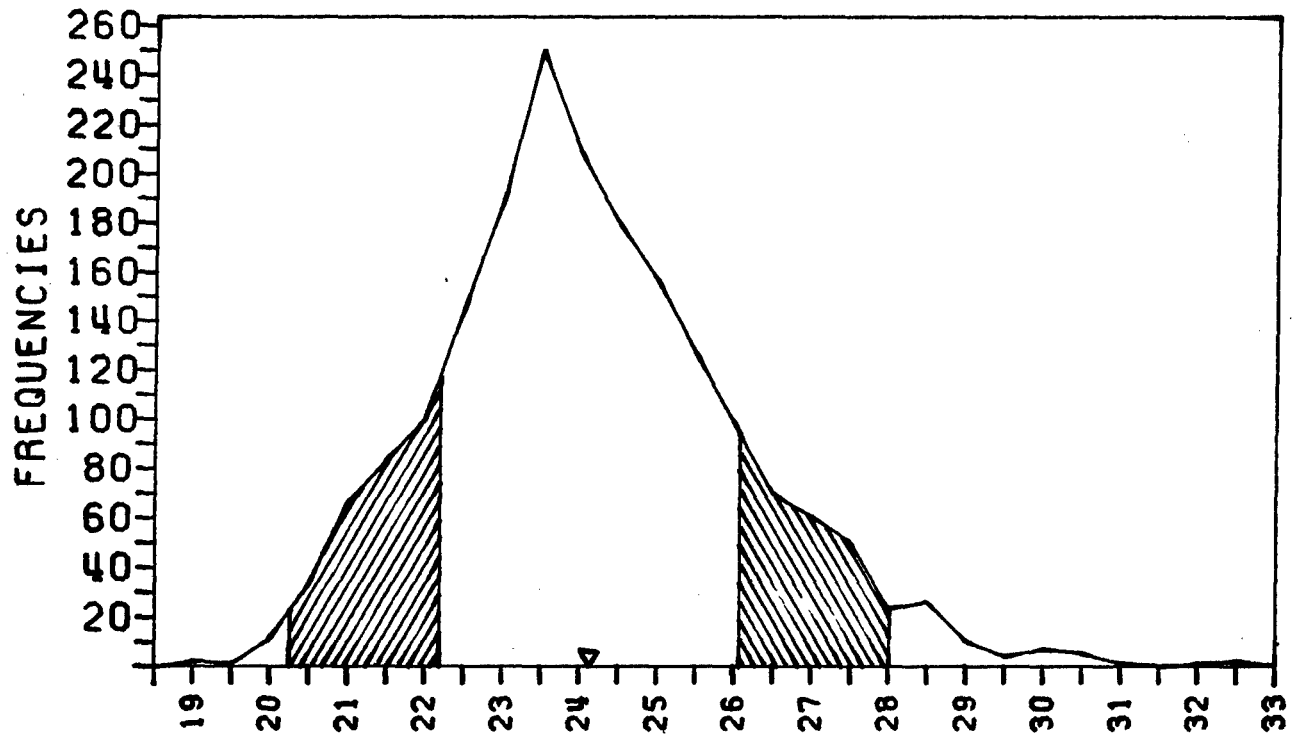
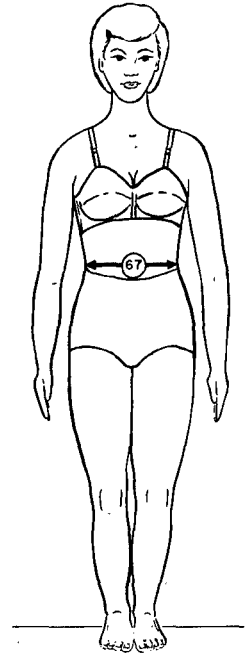
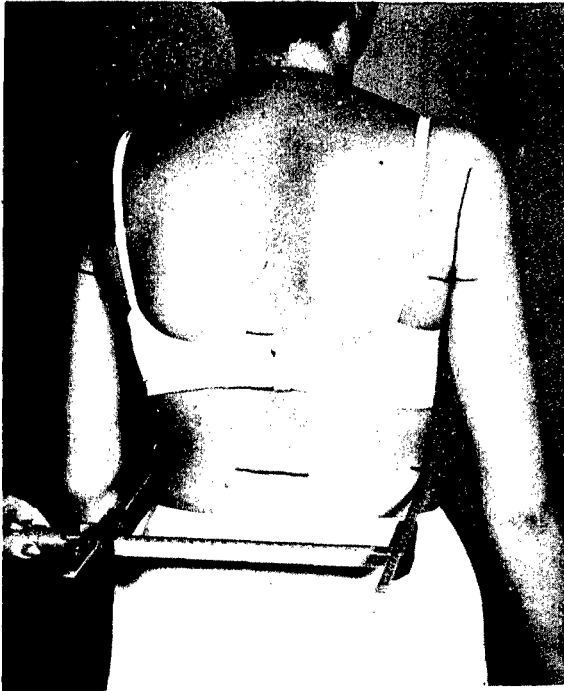
22.54	99TH	8.87
21.97	98TH	8.65
21.63	97TH	8.51
21.18	95TH	8.34
20.52	90TH	8.08
20.09	85TH	7.91
19.77	80TH	7.78
19.50	75TH	7.68
19.26	70TH	7.58
19.05	65TH	7.50
18.84	60TH	7.42
18.65	55TH	7.34
18.46	50TH	7.27
18.28	45TH	7.20
18.09	40TH	7.12
17.90	35TH	7.05
17.70	30TH	6.97
17.48	25TH	6.88
17.24	20TH	6.79
16.96	15TH	6.68
16.60	10TH	6.54
16.07	5TH	6.32
15.71	3RD	6.19
15.45	2ND	6.08
15.02	1ST	5.91

RANGES*	F	CUMF	FPCT	CUMPCT
24.25- 24.75	2	1905	0.10	100.00
23.75- 24.25	1	1903	0.05	99.90
23.25- 23.75	3	1902	0.16	99.84
22.75- 23.25	8	1899	0.42	99.69
22.25- 22.75	13	1891	0.68	99.27
21.75- 22.25	19	1878	1.00	98.58
21.25- 21.75	39	1859	2.05	97.59
20.75- 21.25	70	1820	3.67	95.54
20.25- 20.75	93	1750	4.88	91.86
19.75- 20.25	133	1657	6.98	86.98
19.25- 19.75	192	1524	10.08	80.00
18.75- 19.25	229	1332	12.02	69.92
18.25- 18.75	264	1103	13.86	57.90
17.75- 18.25	240	839	12.60	44.04
17.25- 17.75	214	599	11.23	31.44
16.75- 17.25	176	385	9.24	20.21
16.25- 16.75	96	209	5.04	10.97
15.75- 16.25	49	113	2.57	5.93
15.25- 15.75	40	64	2.10	3.36
14.75- 15.25	12	24	0.63	1.26
14.25- 14.75	4	12	0.21	0.63
13.75- 14.25	6	8	0.31	0.42
13.25- 13.75	1	2	0.05	0.10
12.75- 13.25	1	1	0.05	0.05

*IN CENTIMETERS

(67) WAIST BREADTH

Subject stands erect looking straight ahead with arms slightly abducted. With a beam caliper, measure the horizontal breadth across the trunk at the level of the waist landmarks.



CENTIMETERS INCHES

24.13 MEAN VALUE 9.50
0.04 SE(MEAN) 0.02
1.94 SD DEVIATION 0.76
0.03 SE(SD DEV) 0.01

SYMMETRY---VETA I = 0.53
KURTOSIS---VETA II = 3.54
COEF. OF VARIATION = 8.0%

NUMBER OF SUBJECTS = 1905

THE PERCENTILES

CENTIMETERS INCHES

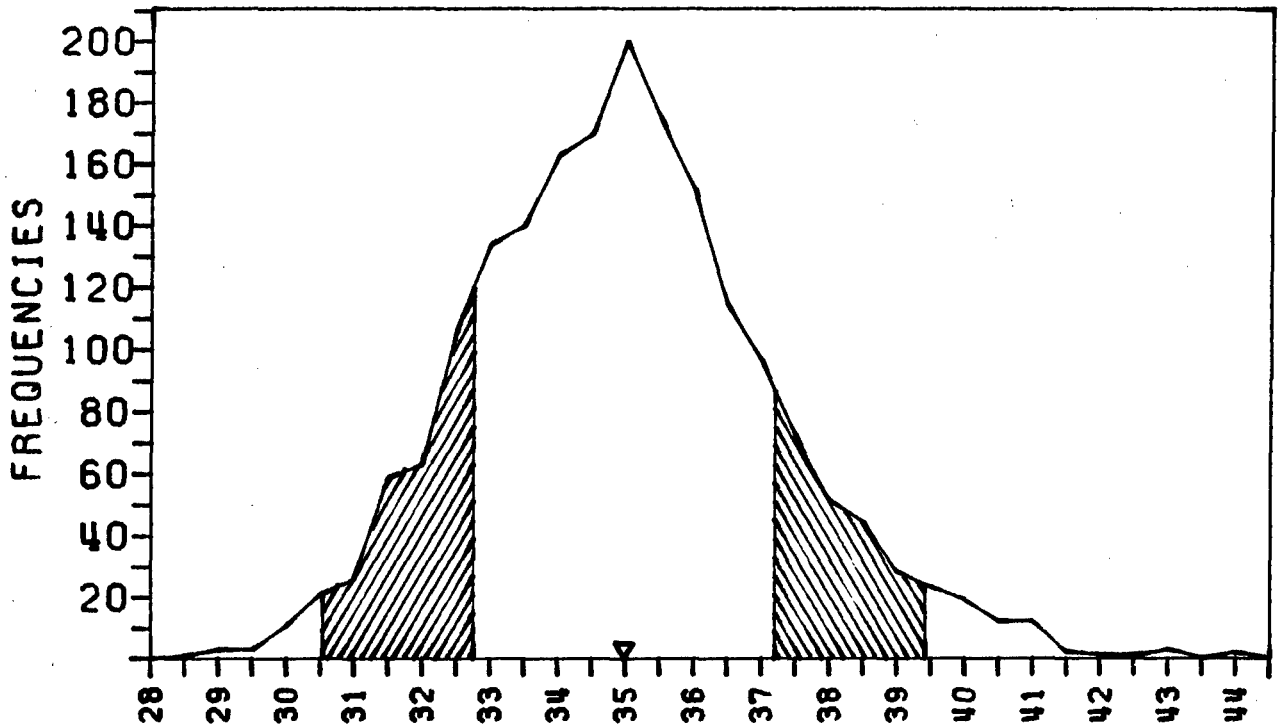
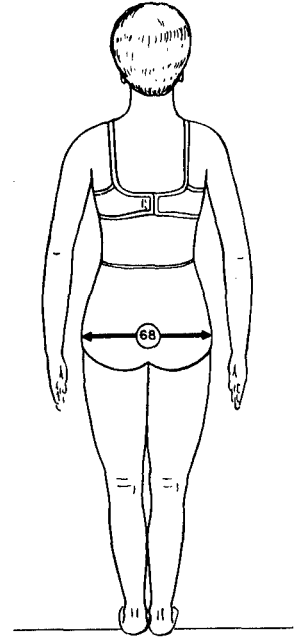
29.40	99TH	11.57
28.63	98TH	11.27
28.16	97TH	11.09
27.55	95TH	10.85
26.67	90TH	10.50
26.10	85TH	10.28
25.67	80TH	10.11
25.31	75TH	9.96
25.00	70TH	9.84
24.72	65TH	9.73
24.45	60TH	9.63
24.21	55TH	9.53
23.97	50TH	9.44
23.73	45TH	9.34
23.50	40TH	9.25
23.26	35TH	9.16
23.02	30TH	9.06
22.76	25TH	8.96
22.48	20TH	8.85
22.16	15TH	8.72
21.77	10TH	8.57
21.22	5TH	8.35
20.87	3RD	8.22
20.63	2ND	8.12
20.26	1ST	7.98

RANGES*	F	CUMF	FPCT	CUMPCCT
32.25- 32.75	2	1905	0.10	100.00
31.75- 32.25	1	1903	0.05	99.90
31.25- 31.75	0	1902	0.00	99.84
30.75- 31.25	1	1902	0.05	99.84
30.25- 30.75	5	1901	0.26	99.79
29.75- 30.25	7	1896	0.37	99.53
29.25- 29.75	4	1889	0.21	99.16
28.75- 29.25	10	1885	0.52	98.95
28.25- 28.75	26	1875	1.36	98.43
27.75- 28.25	23	1849	1.21	97.06
27.25- 27.75	50	1826	2.62	95.85
26.75- 27.25	60	1776	3.15	93.23
26.25- 26.75	69	1716	3.62	90.08
25.75- 26.25	98	1647	5.14	86.46
25.25- 25.75	126	1549	6.61	81.31
24.75- 25.25	156	1423	8.19	74.70
24.25- 24.75	179	1267	9.40	66.51
23.75- 24.25	208	1088	10.92	57.11
23.25- 23.75	250	880	13.12	46.19
22.75- 23.25	189	630	9.92	33.07
22.25- 22.75	145	441	7.61	23.15
21.75- 22.25	100	296	5.25	15.54
21.25- 21.75	83	196	4.36	10.29
20.75- 21.25	66	113	3.46	5.93
20.25- 20.75	33	47	1.73	2.47
19.75- 20.25	11	14	0.58	0.73
19.25- 19.75	1	3	0.05	0.16
18.75- 19.25	2	2	0.10	0.10

*IN CENTIMETERS

(68) HIP BREADTH

Subject stands erect, heels together and weight distributed equally on both feet. With a beam caliper, measure the maximum horizontal breadth of the hips.



RANGES*	F	CUMF	FPCT	CUMPT
43.75- 44.25	2	1 905	0.10	100.00
43.25- 43.75	0	1 903	0.00	99.90
42.75- 43.25	3	1 903	0.16	99.90
42.25- 42.75	1	1 900	0.05	99.74
41.75- 42.25	1	1 899	0.05	99.69
41.25- 41.75	2	1 898	0.10	99.63
40.75- 41.25	12	1 896	0.63	99.53
40.25- 40.75	12	1 884	0.63	98.90
39.75- 40.25	19	1 872	1.00	98.27
39.25- 39.75	23	1 853	1.21	97.27
38.75- 39.25	28	1 830	1.47	96.06
38.25- 38.75	44	1 802	2.31	94.59
37.75- 38.25	51	1 758	2.68	92.28
37.25- 37.75	72	1 707	3.78	89.61
36.75- 37.25	96	1 635	5.04	85.83
36.25- 36.75	114	1 539	5.98	80.79
35.75- 36.25	151	1 425	7.93	74.80
35.25- 35.75	174	1 274	9.13	66.88
34.75- 35.25	200	1 100	10.50	57.74
34.25- 34.75	170	900	8.92	47.24
33.75- 34.25	163	730	8.56	38.32
33.25- 33.75	140	567	7.35	29.76
32.75- 33.25	134	427	7.03	22.41
32.25- 32.75	106	293	5.56	15.38
31.75- 32.25	63	187	3.31	9.82
31.25- 31.75	59	124	3.10	6.51
30.75- 31.25	26	65	1.36	3.41
30.25- 30.75	21	39	1.10	2.05
29.75- 30.25	11	18	0.58	0.94
29.25- 29.75	3	7	0.16	0.37
28.75- 29.25	3	4	0.16	0.21
28.25- 28.75	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS	INCHES
34.97	MEAN VALUE 13.77
0.05	SE(MEAN) 0.02
2.22	SD DEVIATION 0.87
0.04	SE(SD DEV) 0.01

SYMMETRY---VETA I = 0.39
KURTOSIS---VETA II = 3.43
COEF. OF VARIATION = 6.3%

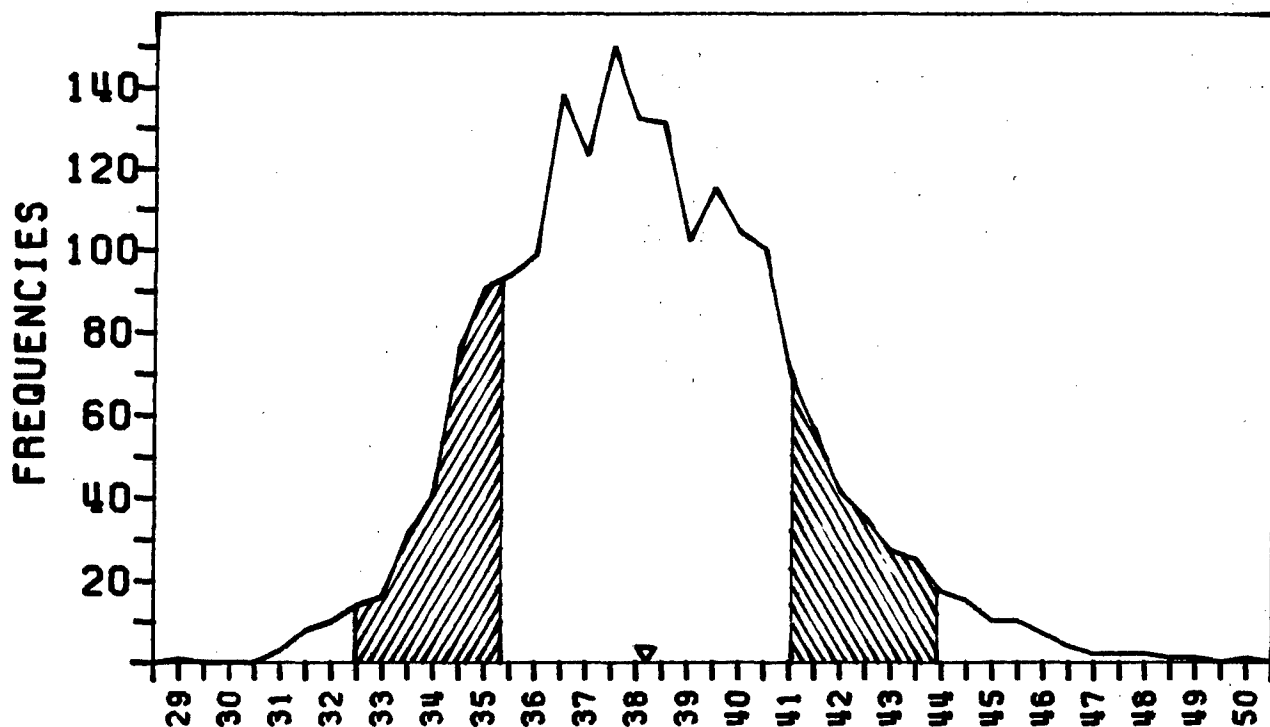
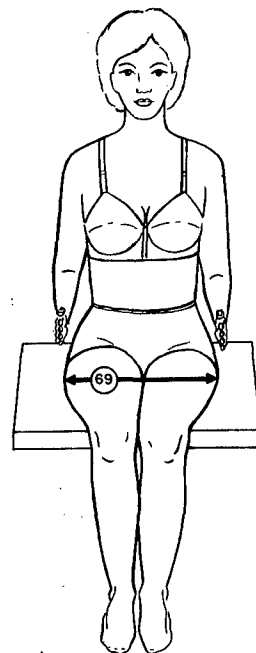
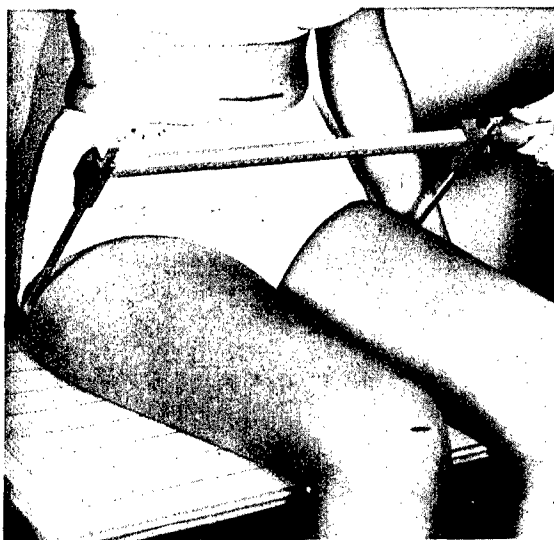
NUMBER OF SUBJECTS = 1905

THE PERCENTILES

CENTIMETERS	INCHES
40.93	99TH 16.1
40.06	98TH 15.77
39.53	97TH 15.56
38.84	95TH 15.29
37.85	90TH 14.90
37.22	85TH 14.65
36.74	80TH 14.46
36.34	75TH 14.31
35.99	70TH 14.17
35.67	65TH 14.04
35.38	60TH 13.93
35.10	55TH 13.82
34.83	50TH 13.71
34.56	45TH 13.61
34.30	40TH 13.50
34.03	35TH 13.40
33.74	30TH 13.28
33.44	25TH 13.17
33.11	20TH 13.04
32.73	15TH 12.89
32.25	10TH 12.70
31.55	5TH 12.42
31.10	3RD 12.24
30.76	2ND 12.11
30.23	1ST 11.90

(69) THIGH-TO-THIGH BREADTH, SITTING

Subject sits erect, thighs parallel and completely supported by the sitting surface. With a beam caliper, measure the maximum horizontal distance across the thighs.



RANGES*	F	CUMF	FPCT	CUMPCT
49.75- 50.25	1	1905	0.05	100.00
49.25- 49.75	0	1904	0.00	99.95
48.75- 49.25	1	1904	0.05	99.95
48.25- 48.75	1	1903	0.05	99.90
47.75- 48.25	2	1902	0.10	99.84
47.25- 47.75	2	1900	0.10	99.74
46.75- 47.25	2	1898	0.10	99.63
46.25- 46.75	4	1896	0.21	99.53
45.75- 46.25	7	1892	0.37	99.32
45.25- 45.75	10	1885	0.52	98.95
44.75- 45.25	10	1875	0.52	98.43
44.25- 44.75	15	1865	0.79	97.90
43.75- 44.25	17	1850	0.89	97.11
43.25- 43.75	25	1833	1.31	96.22
42.75- 43.25	27	1808	1.42	94.91
42.25- 42.75	35	1781	1.84	93.49
41.75- 42.25	41	1746	2.15	91.65
41.25- 41.75	56	1705	2.94	89.50
40.75- 41.25	70	1649	3.67	86.56
40.25- 40.75	100	1579	5.25	82.89
39.75- 40.25	104	1479	5.46	77.64
39.25- 39.75	115	1375	6.04	72.18
38.75- 39.25	102	1260	5.35	66.14
38.25- 38.75	131	1158	6.88	60.79
37.75- 38.25	132	1027	6.93	53.91
37.25- 37.75	150	895	7.87	46.98
36.75- 37.25	123	745	6.46	39.11
36.25- 36.75	138	622	7.24	32.65
35.75- 36.25	99	484	5.20	25.41
35.25- 35.75	94	385	4.93	20.21
34.75- 35.25	91	291	4.78	15.28
34.25- 34.75	76	200	3.99	10.50
33.75- 34.25	41	124	2.15	6.51
33.25- 33.75	31	83	1.63	4.36
32.75- 33.25	16	52	0.84	2.73
32.25- 32.75	14	36	0.73	1.89
31.75- 32.25	10	22	0.52	1.15
31.25- 31.75	8	12	0.42	0.63
30.75- 31.25	3	4	0.16	0.21
30.25- 30.75	0	1	0.00	0.05
29.75- 30.25	0	1	0.00	0.05
29.25- 29.75	0	1	0.00	0.05
28.75- 29.25	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS INCHES

38.19 MEAN VALUE 15.04
0.07 SE(MEAN) 0.03
2.86 SD DEVIATION 1.13
0.05 SE(SD DEV) 0.02

* **

SYMMETRY---VETA I = 0.42
KURTOSIS---VETA II = 3.36
COEF. OF VARIATION = 7.5%

NUMBER OF SUBJECTS = 1905

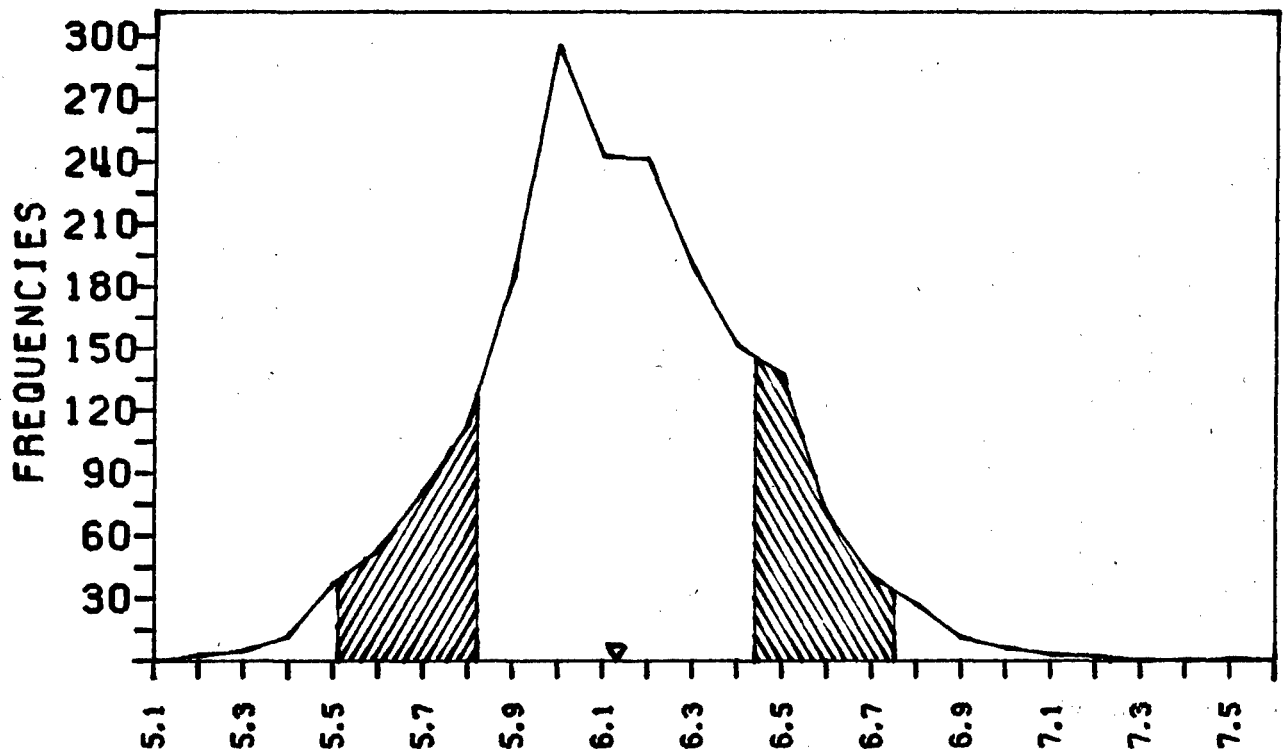
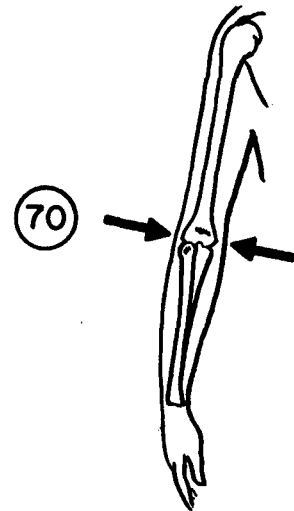
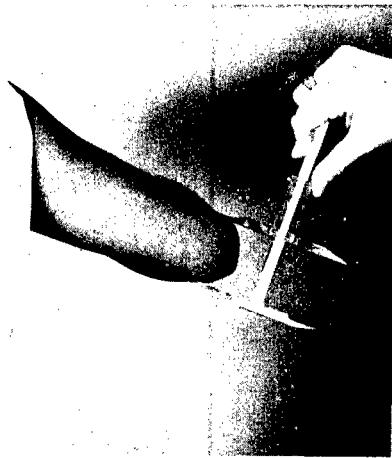
THE PERCENTILES

CENTIMETERS INCHES

45.86	99TH	18.05
44.80	98TH	17.64
44.14	97TH	17.38
43.26	95TH	17.03
41.97	90TH	16.52
41.13	85TH	16.19
40.50	80TH	15.94
39.96	75TH	15.73
39.50	70TH	15.55
39.08	65TH	15.39
38.69	60TH	15.23
38.33	55TH	15.09
37.97	50TH	14.95
37.63	45TH	14.81
37.28	40TH	14.68
36.94	35TH	14.54
36.58	30TH	14.40
36.20	25TH	14.25
35.78	20TH	14.09
35.30	15TH	13.90
34.71	10TH	13.67
33.84	5TH	13.32
33.26	3RD	13.10
32.83	2ND	12.93
32.13	1ST	12.65

(70) HUMERAL BREADTH, RIGHT

Subject sits, right upper arm abducted, and elbow flexed. With a sliding caliper and using firm pressure, measure the maximum distance between the epicondyles of the humerus.



CENTIMETERS

INCHES

6.13	MEAN VALUE	2.41
0.01	SE(MEAN)	0.00
0.31	SD DEVIATION	0.12
0.01	SE(SD DEV)	0.00

SYMMETRY---	VETA I =	0.15
KURTOSIS---	VETA II =	3.28
COEF. OF VARIATION	=	5.0%

NUMBER OF SUBJECTS = 1905

THE PERCENTILES

CENTIMETERS

INCHES

6.89	99TH	2.71
6.79	98TH	2.67
6.73	97TH	2.65
6.65	95TH	2.62
6.53	90TH	2.57
6.45	85TH	2.54
6.39	80TH	2.51
6.33	75TH	2.49
6.29	70TH	2.48
6.24	65TH	2.46
6.20	60TH	2.44
6.17	55TH	2.43
6.13	50TH	2.41
6.09	45TH	2.40
6.05	40TH	2.38
6.01	35TH	2.37
5.97	30TH	2.35
5.93	25TH	2.33
5.88	20TH	2.31
5.82	15TH	2.29
5.75	10TH	2.26
5.64	5TH	2.22
5.56	3RD	2.19
5.51	2ND	2.17
5.43	1ST	2.14

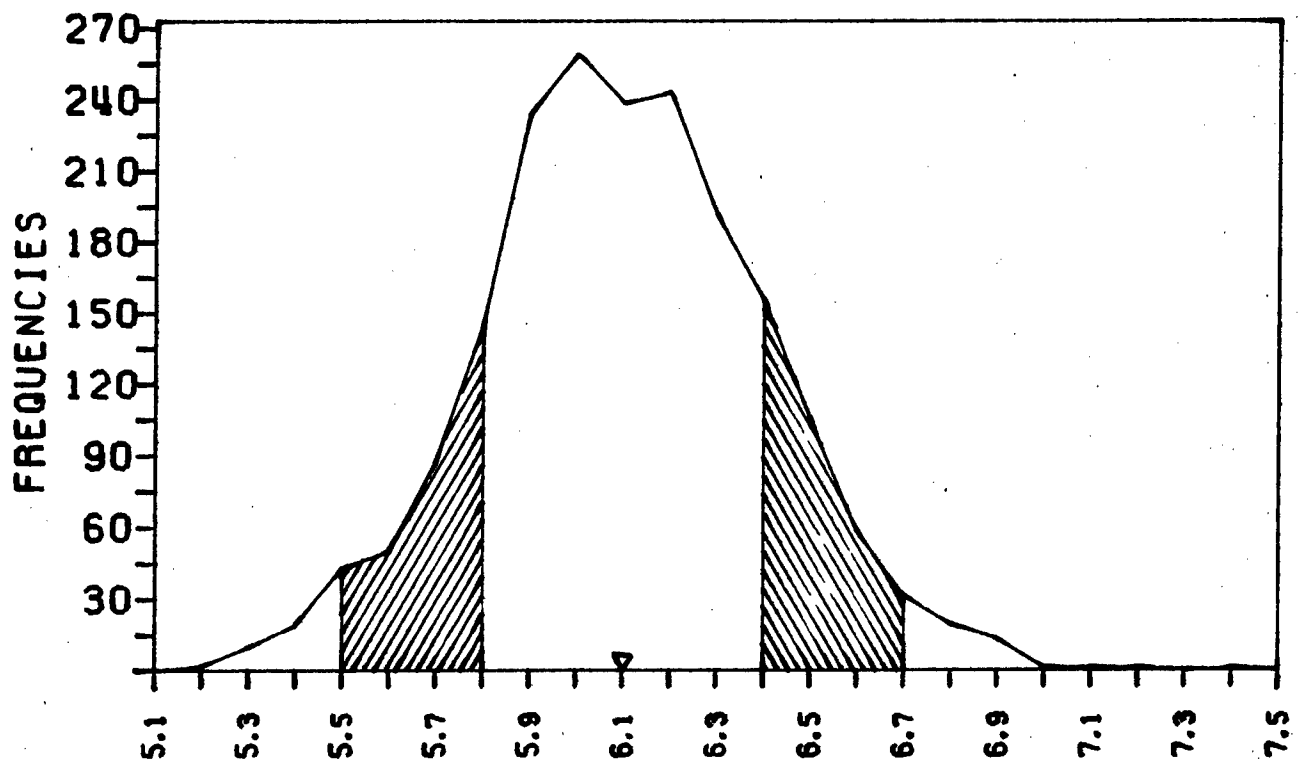
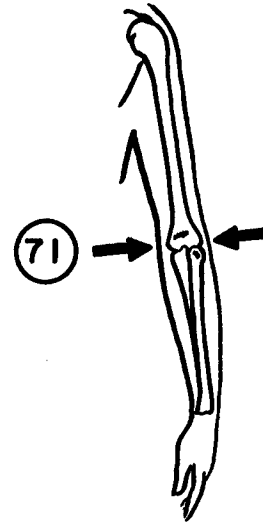
RANGES*	F	CUMF	FPCT	CUMPT
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7.45-	7.55	1	1905	0.05	100.00
7.35-	7.45	0	1904	0.00	99.95
7.25-	7.35	0	1904	0.00	99.95
7.15-	7.25	2	1904	0.10	99.95
7.05-	7.15	3	1902	0.16	99.84
6.95-	7.05	6	1899	0.31	99.69
6.85-	6.95	11	1893	0.58	99.37
6.75-	6.85	27	1882	1.42	98.79
6.65-	6.75	40	1855	2.10	97.38
6.55-	6.65	70	1815	3.67	95.28
6.45-	6.55	137	1745	7.19	91.60
6.35-	6.45	151	1608	7.93	84.41
6.25-	6.35	189	1457	9.92	76.48
6.15-	6.25	241	1268	12.65	66.56
6.05-	6.15	242	1027	12.70	53.91
5.95-	6.05	296	785	15.54	41.21
5.85-	5.95	185	489	9.71	25.67
5.75-	5.85	113	304	5.93	15.96
5.65-	5.75	81	191	4.25	10.03
5.55-	5.65	53	110	2.78	5.77
5.45-	5.55	37	57	1.94	2.99
5.35-	5.45	12	20	0.63	1.05
5.25-	5.35	5	8	0.26	0.42
5.15-	5.25	3	3	0.16	0.16

*IN CENTIMETERS

(71) HUMERAL BREADTH, LEFT

Subject sits, left upper arm abducted, and elbow flexed. With a sliding caliper and using firm pressure, measure the maximum distance between the epicondyles of the humerus.



CENTIMETERS

INCHES

6.10 MEAN VALUE 2.40
 0.01 SE(MEAN) 0.00
 0.30 SD DEVIATION 0.12
 0.00 SE(SD DEV) 0.00

SYMMETRY---VETA I = 0.08
 KURTOSIS---VETA II = 3.20
 COEF. OF VARIATION = 4.9%

NUMBER OF SUBJECTS = 1905

THE PERCENTILES

CENTIMETERS

INCHES

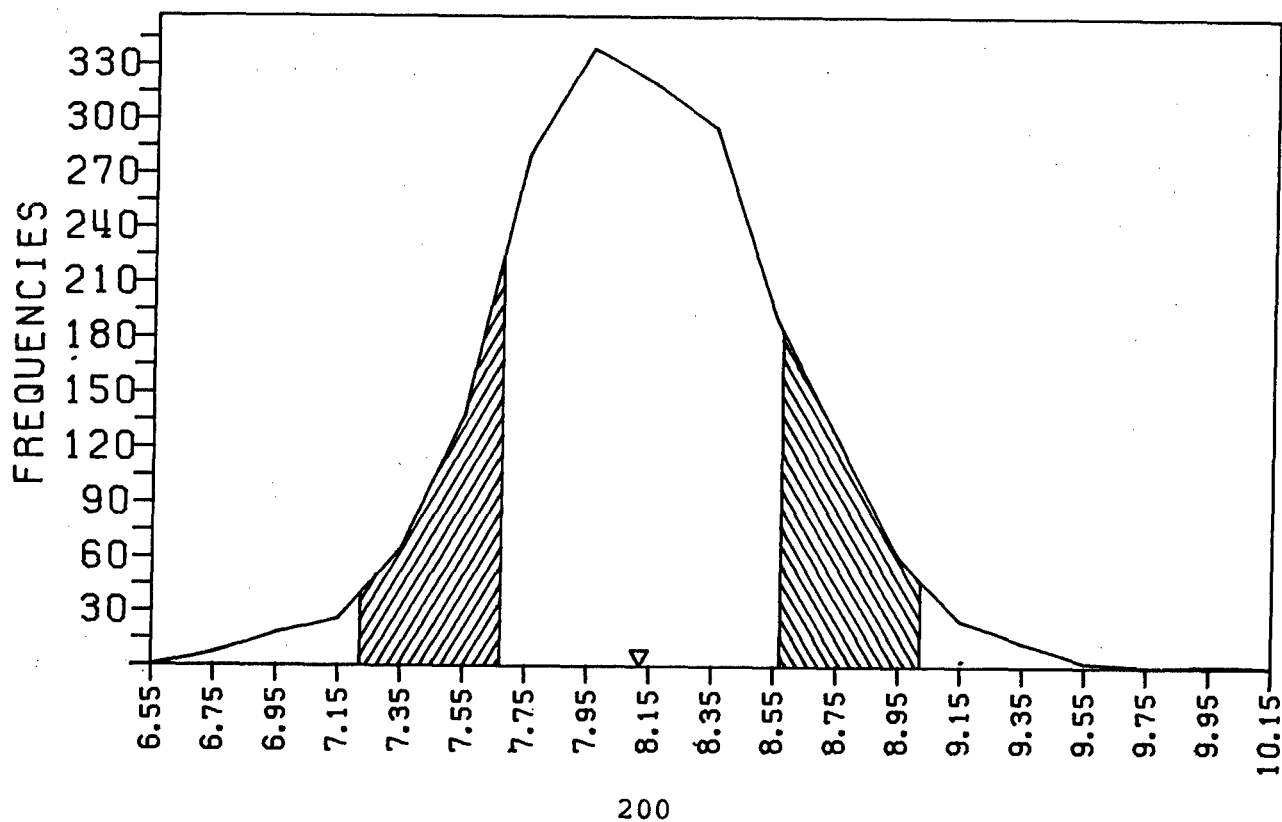
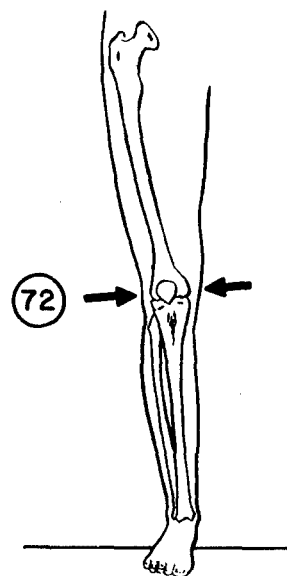
6.84	99TH	2.69
6.74	98TH	2.65
6.68	97TH	2.63
6.60	95TH	2.60
6.49	90TH	2.55
6.41	85TH	2.52
6.35	80TH	2.50
6.30	75TH	2.48
6.25	70TH	2.46
6.21	65TH	2.45
6.17	60TH	2.43
6.14	55TH	2.42
6.10	50TH	2.40
6.06	45TH	2.39
6.02	40TH	2.37
5.98	35TH	2.36
5.94	30TH	2.34
5.90	25TH	2.32
5.85	20TH	2.30
5.79	15TH	2.28
5.72	10TH	2.25
5.60	5TH	2.21
5.53	3RD	2.18
5.47	2ND	2.15
5.38	1ST	2.12

RANGES*	F	CUMF	FPCT	CUMPCT
7.35- 7.45	1	1905	0.05	100.00
7.25- 7.35	0	1904	0.00	99.95
7.15- 7.25	1	1904	0.05	99.95
7.05- 7.15	1	1903	0.05	99.90
6.95- 7.05	1	1902	0.05	99.84
6.85- 6.95	13	1901	0.68	99.79
6.75- 6.85	19	1888	1.00	99.11
6.65- 6.75	31	1869	1.63	98.11
6.55- 6.65	58	1838	3.04	96.48
6.45- 6.55	105	1780	5.51	93.44
6.35- 6.45	155	1675	8.14	87.93
6.25- 6.35	191	1520	10.03	79.79
6.15- 6.25	243	1329	12.76	69.76
6.05- 6.15	238	1086	12.49	57.01
5.95- 6.05	259	848	13.60	44.51
5.85- 5.95	234	589	12.28	30.92
5.75- 5.85	144	355	7.56	18.64
5.65- 5.75	87	211	4.57	11.08
5.55- 5.65	50	124	2.62	6.51
5.45- 5.55	43	74	2.26	3.88
5.35- 5.45	19	31	1.00	1.63
5.25- 5.35	10	12	0.52	0.63
5.15- 5.25	2	2	0.10	0.10

*IN CENTIMETERS

(72) FEMORAL BREADTH, RIGHT

Subject sits on a table, lower legs hanging over its side, and feet unsupported. With a spreading caliper and using firm pressure, measure the maximum distance between the epicondyles of the right femur.



CENTIMETERS

INCHES

8.12 MEAN VALUE 3.20
 0.01 SE(MEAN) 0.00
 0.45 SD DEVIATION 0.18
 0.01 SE(SD DEV) 0.00

SYMMETRY---VETA I = 0.09
 KURTOSIS---VETA II = 3.23
 COEF. OF VARIATION = 5.6%

NUMBER OF SUBJECTS = 1905

THE PERCENTILES

CENTIMETERS

INCHES

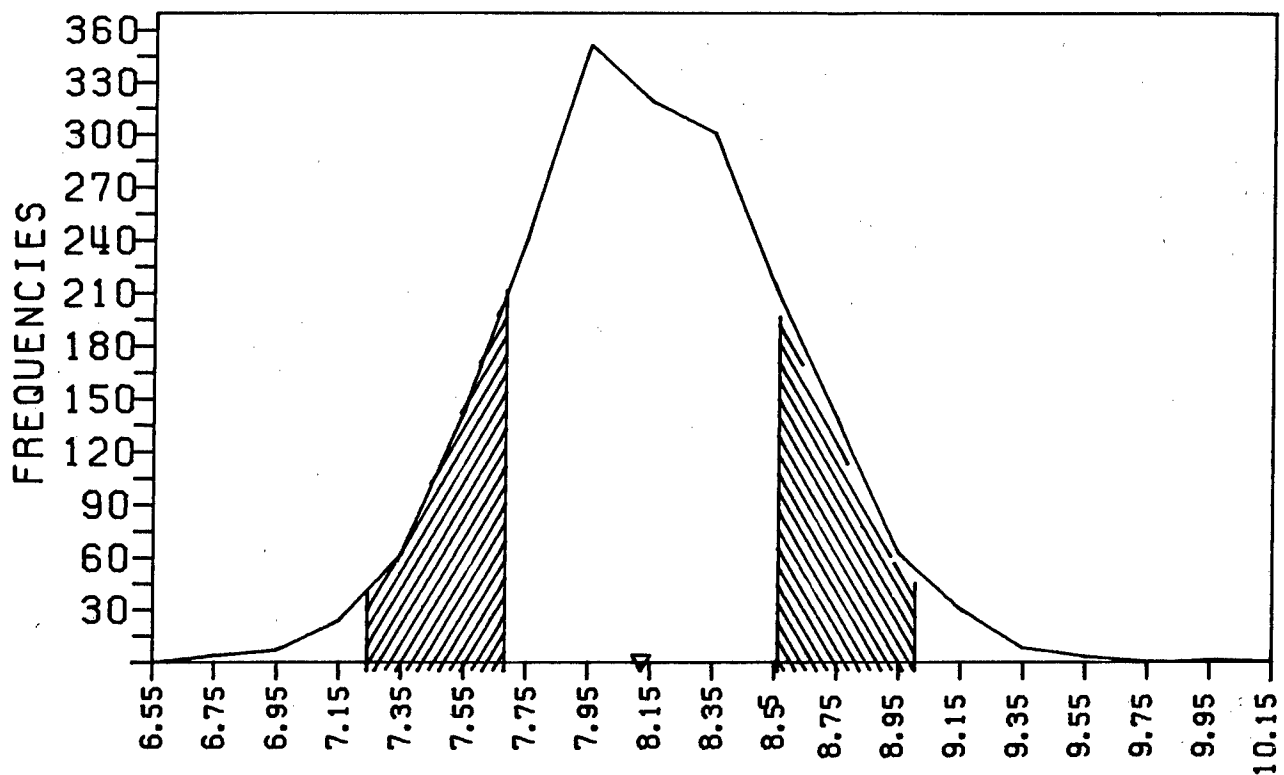
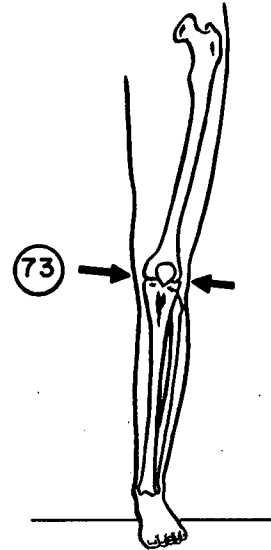
9.21	99TH	3.63
9.08	98TH	3.58
9.00	97TH	3.54
8.88	95TH	3.50
8.70	90TH	3.43
8.58	85TH	3.38
8.49	80TH	3.34
8.41	75TH	3.31
8.34	70TH	3.28
8.27	65TH	3.26
8.21	60TH	3.23
8.16	55TH	3.21
8.10	50TH	3.19
8.05	45TH	3.17
7.99	40TH	3.15
7.94	35TH	3.12
7.88	30TH	3.10
7.82	25TH	3.08
7.75	20TH	3.05
7.66	15TH	3.02
7.55	10TH	2.97
7.38	5TH	2.91
7.26	3RD	2.86
7.16	2ND	2.82
6.99	1ST	2.75

RANGES*	F	CUMF	FPCT	CUMPC	T
9.85- 10.05	1	1905	0.05	100.00	
9.65- 9.85	0	1904	0.00	99.95	
9.45- 9.65	2	1904	0.10	99.95	
9.25- 9.45	13	1902	0.68	99.84	
9.05- 9.25	25	1889	1.31	99.16	
8.85- 9.05	60	1864	3.15	97.85	
8.65- 8.85	125	1804	6.56	94.70	
8.45- 8.65	191	1679	10.03	88.14	
8.25- 8.45	295	1488	15.49	78.11	
8.05- 8.25	320	1193	16.80	62.62	
7.85- 8.05	339	873	17.80	45.83	
7.65- 7.85	280	534	14.70	28.03	
7.45- 7.65	138	254	7.24	13.33	
7.25- 7.45	65	116	3.41	6.09	
7.05- 7.25	26	51	1.36	2.68	
6.85- 7.05	18	25	0.94	1.31	
6.65- 6.85	7	7	0.37	0.37	

*IN CENTIMETERS

(73) FEMORAL BREADTH, LEFT

Subject sits on a table, lower legs hanging over its side, and feet unsupported. With a spreading caliper and using firm pressure, measure the maximum distance between the epicondyles of the left femur.



CENTIMETERS

INCHES

8.14	MEAN VALUE	3.20
0.01	SE(MEAN)	0.00
0.44	SD DEVIATION	0.17
0.01	SE(SD DEV)	0.00

SYMMETRY---VETA I = 0.10
 KURTOSIS---VETA II = 3.07
 COEF. OF VARIATION = 5.4%

RANGES*	F	CUMF	FPCT	CUMPT
9.85- 10.05	1	1905	0.05	100.00
9.65- 9.85	0	1904	0.00	99.95
9.45- 9.65	3	1904	0.16	99.95
9.25- 9.45	8	1901	0.42	99.79
9.05- 9.25	30	1893	1.57	99.37
8.85- 9.05	62	1863	3.25	97.80
8.65- 8.85	138	1801	7.24	94.54
8.45- 8.65	213	1663	11.18	87.30
8.25- 8.45	300	1450	15.75	76.12
8.05- 8.25	318	1150	16.69	60.37
7.85- 8.05	351	832	18.43	43.67
7.65- 7.85	241	481	12.65	25.25
7.45- 7.65	143	240	7.51	12.60
7.25- 7.45	62	97	3.25	5.09
7.05- 7.25	24	35	1.26	1.84
6.85- 7.05	7	11	0.37	0.58
6.65- 6.85	4	4	0.21	0.21

NUMBER OF SUBJECTS = 1905

THE PERCENTILES

CENTIMETERS

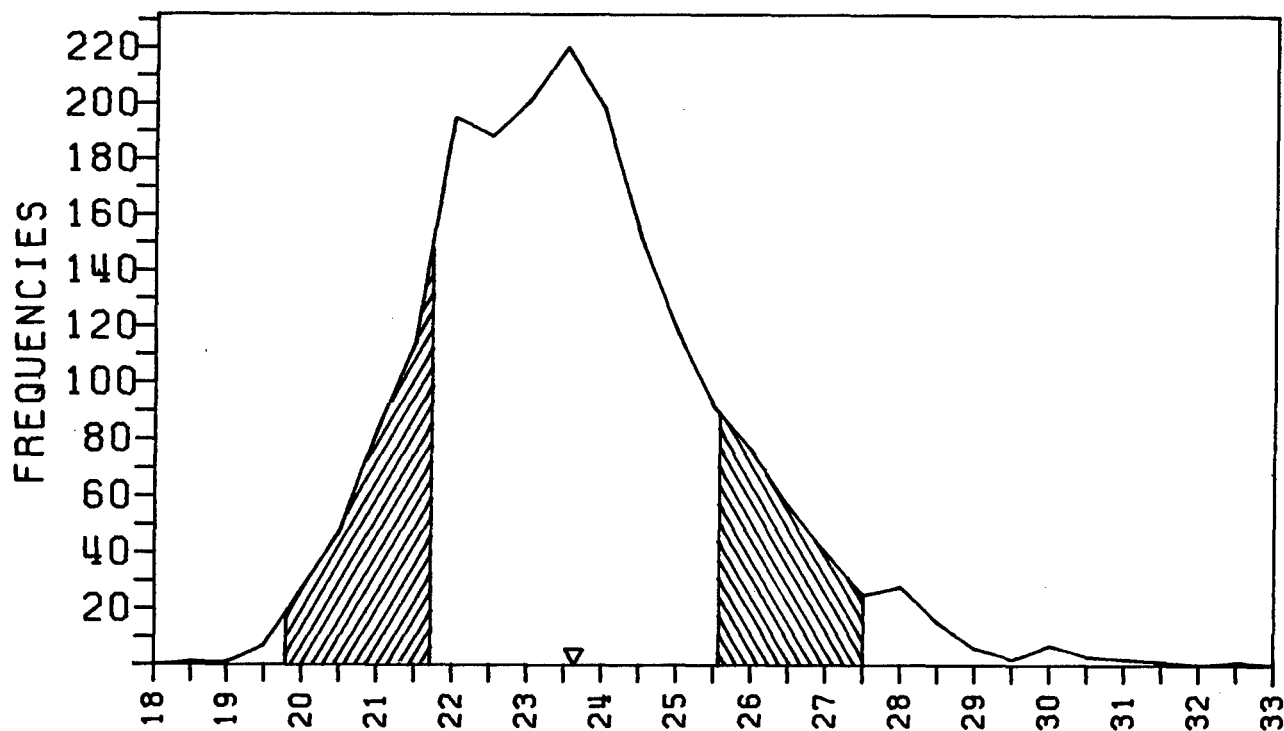
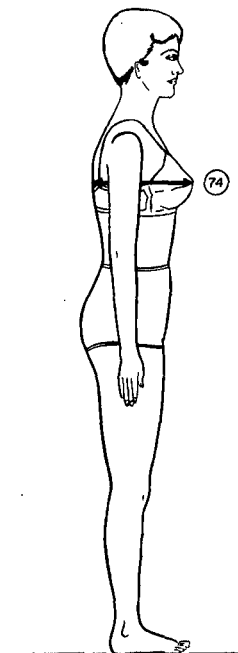
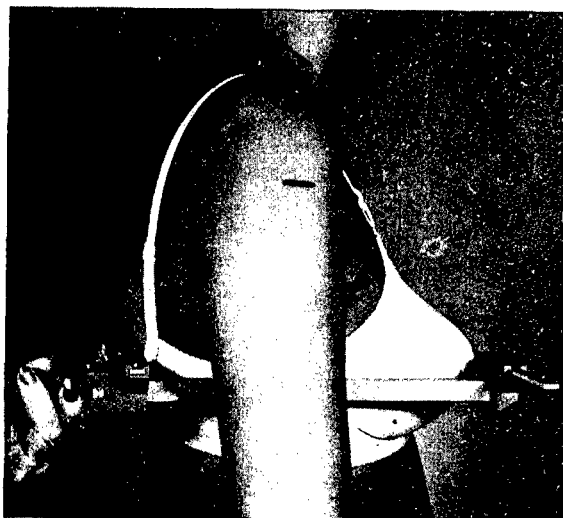
INCHES

9.20	99TH	3.62
9.08	98TH	3.57
9.00	97TH	3.54
8.89	95TH	3.50
8.72	90TH	3.43
8.61	85TH	3.39
8.51	80TH	3.35
8.44	75TH	3.32
8.37	70TH	3.29
8.30	65TH	3.27
8.24	60TH	3.25
8.19	55TH	3.22
8.13	50TH	3.20
8.07	45TH	3.18
8.02	40TH	3.16
7.96	35TH	3.13
7.90	30TH	3.11
7.84	25TH	3.09
7.77	20TH	3.06
7.69	15TH	3.03
7.59	10TH	2.99
7.43	5TH	2.93
7.33	3RD	2.89
7.25	2ND	2.85
7.12	1ST	2.80

*IN CENTIMETERS

(74) CHEST DEPTH

Subject stands erect looking straight ahead, heels together, and weight distributed equally on both feet. With a beam caliper, measure the horizontal depth of the trunk at the level of the bustpoint landmarks. The reading is made at the point of maximum quiet inspiration.



CENTIMETERS

INCHES

23.64 MEAN VALUE 9.31
 0.04 SE(MEAN) 0.02
 1.93 SD DEVIATION 0.76
 0.03 SE(SD DEV) 0.01

SYMMETRY---VETA I = 0.66
 KURTOSIS---VETA II = 3.71
 COEF. OF VARIATION = 8.2%

NUMBER OF SUBJECTS = 1905

THE PERCENTILES

CENTIMETERS

INCHES

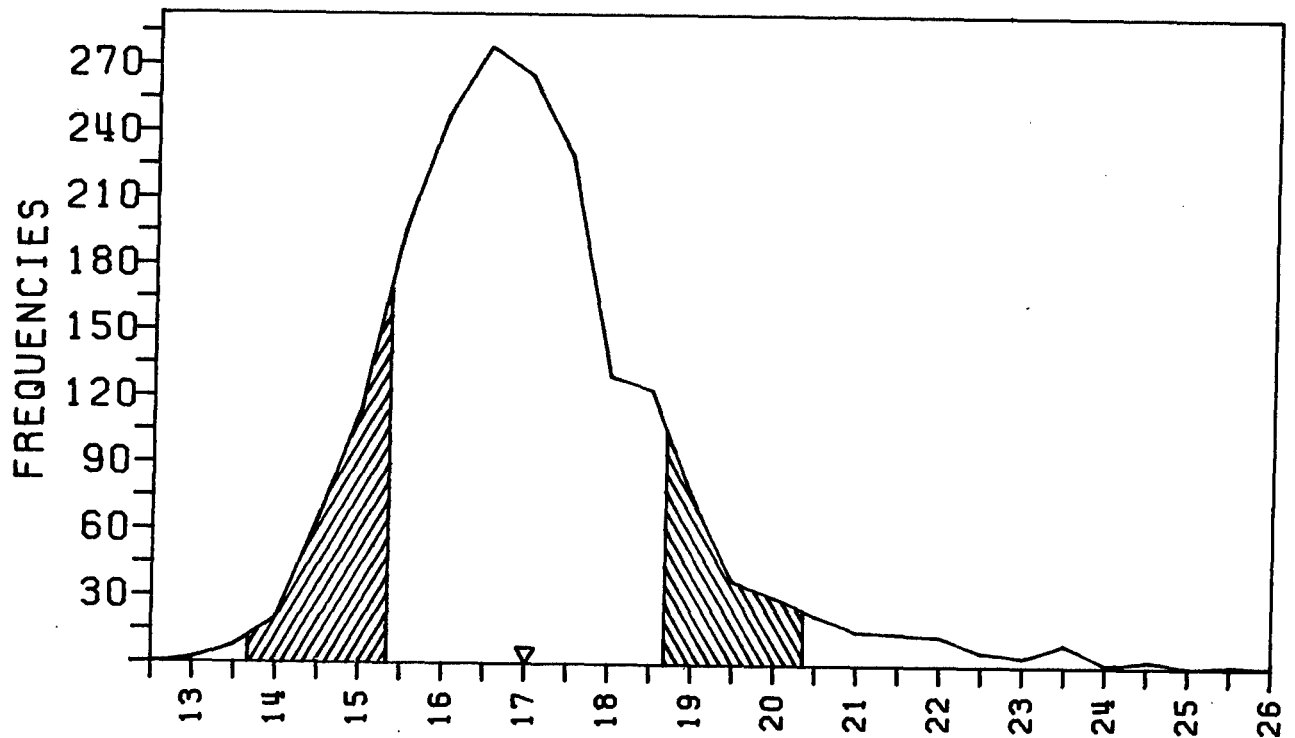
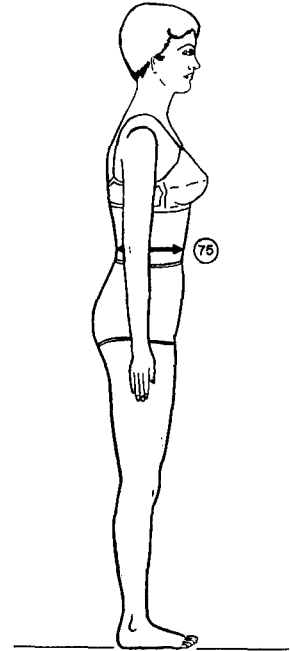
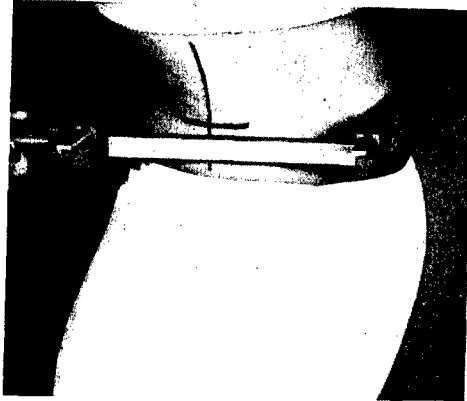
29.03	99TH	11.43
28.27	98TH	11.13
27.79	97TH	10.94
27.15	95TH	10.69
26.22	90TH	10.32
25.62	85TH	10.09
25.17	80TH	9.91
24.79	75TH	9.76
24.46	70TH	9.63
24.17	65TH	9.52
23.91	60TH	9.41
23.66	55TH	9.31
23.42	50TH	9.22
23.19	45TH	9.13
22.96	40TH	9.04
22.74	35TH	8.95
22.51	30TH	8.86
22.27	25TH	8.77
22.01	20TH	8.66
21.72	15TH	8.55
21.36	10TH	8.41
20.85	5TH	8.21
20.53	3RD	8.08
20.29	2ND	7.99
19.89	1ST	7.83

RANGES*	F	CUMF	FPCT	CUMPCT
32.25- 32.75	1	1905	0.05	100.00
31.75- 32.25	0	1904	0.00	99.95
31.25- 31.75	1	1904	0.05	99.95
30.75- 31.25	2	1903	0.10	99.90
30.25- 30.75	3	1901	0.16	99.79
29.75- 30.25	7	1898	0.37	99.63
29.25- 29.75	2	1891	0.10	99.27
28.75- 29.25	6	1889	0.31	99.16
28.25- 28.75	15	1883	0.79	98.85
27.75- 28.25	28	1868	1.47	98.06
27.25- 27.75	25	1840	1.31	96.59
26.75- 27.25	40	1815	2.10	95.28
26.25- 26.75	56	1775	2.94	93.18
25.75- 26.25	76	1719	3.99	90.24
25.25- 25.75	91	1643	4.78	86.25
24.75- 25.25	118	1552	6.19	81.47
24.25- 24.75	152	1434	7.98	75.28
23.75- 24.25	198	1282	10.39	67.30
23.25- 23.75	220	1084	11.55	56.90
22.75- 23.25	201	864	10.55	45.35
22.25- 22.75	188	663	9.87	34.80
21.75- 22.25	195	475	10.24	24.93
21.25- 21.75	114	280	5.98	14.70
20.75- 21.25	83	166	4.36	8.71
20.25- 20.75	47	83	2.47	4.36
19.75- 20.25	27	36	1.42	1.89
19.25- 19.75	7	9	0.37	0.47
18.75- 19.25	1	2	0.05	0.10
18.25- 18.75	1	1	0.05	0.05

*IN CENTIMETERS

(75) WAIST DEPTH

Subject stands erect looking straight ahead, arms at sides, heels together, and weight distributed equally on both feet. With a beam caliper, measure the horizontal depth of the trunk at the level of the waist landmarks. The reading is made at the point of maximum quiet inspiration. The subject must not pull in her stomach.



CENTIMETERS INCHES

17.01 MEAN VALUE 6.70
0.04 SE(MEAN) 0.02
1.67 SD DEVIATION 0.66
0.03 SE(SD DEV) 0.01

SYMMETRY---VETA I = 1.14
KURTOSIS---VETA II = 5.41
COEF. OF VARIATION = 9.8%

NUMBER OF SUBJECTS = 1905

THE PERCENTILES

CENTIMETERS INCHES

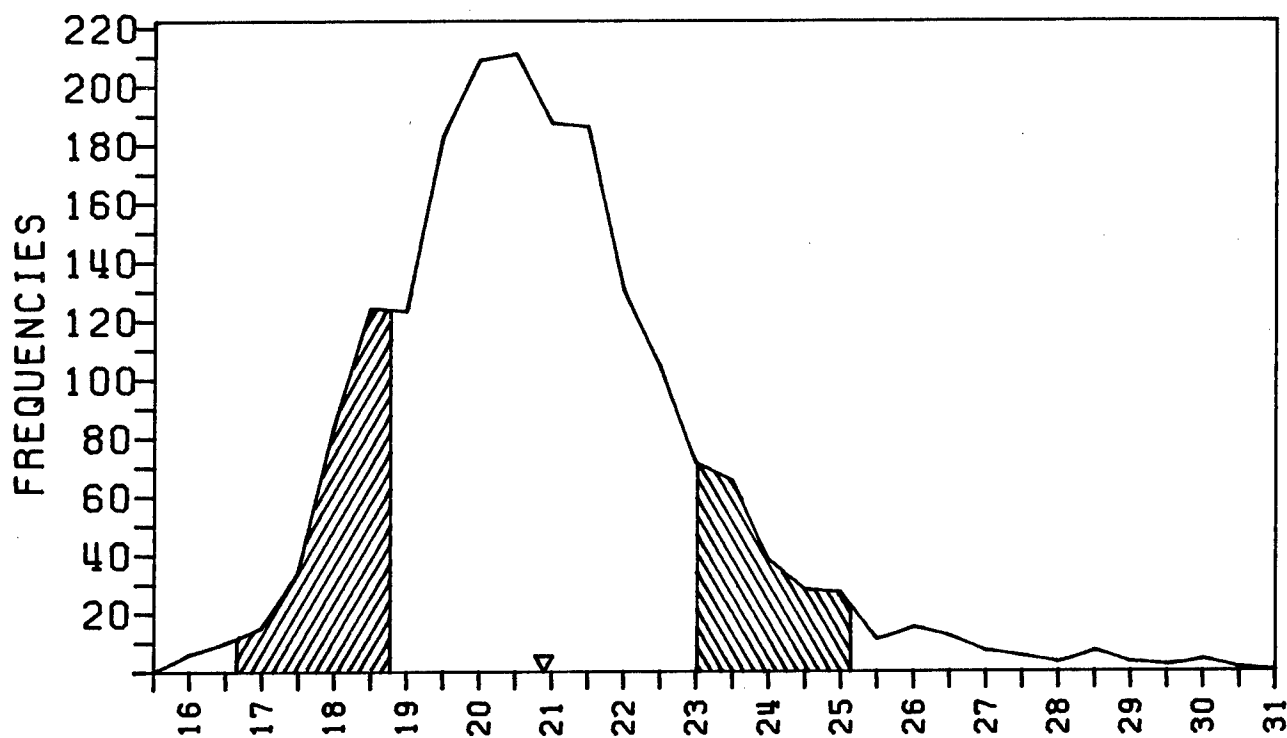
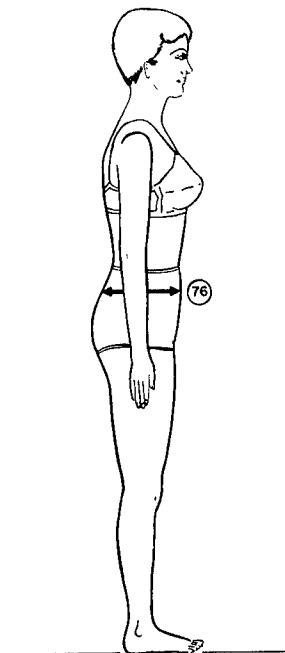
22.85	99TH	9.00
21.64	98TH	8.52
20.97	97TH	8.26
20.16	95TH	7.94
19.13	90TH	7.53
18.55	85TH	7.30
18.15	80TH	7.14
17.83	75TH	7.02
17.56	70TH	6.92
17.34	65TH	6.83
17.13	60TH	6.75
16.95	55TH	6.67
16.77	50TH	6.60
16.60	45TH	6.54
16.43	40TH	6.47
16.26	35TH	6.40
16.09	30TH	6.34
15.91	25TH	6.26
15.71	20TH	6.18
15.47	15TH	6.09
15.18	10TH	5.98
14.76	5TH	5.81
14.48	3RD	5.70
14.28	2ND	5.62
13.98	1ST	5.50

RANGES*	F	CUMF	FPCT	CUMPCT
25.25- 25.75	1	1905	0.05	100.00
24.75- 25.25	0	1904	0.00	99.95
24.25- 24.75	3	1904	0.16	99.95
23.75- 24.25	1	1901	0.05	99.79
23.25- 23.75	10	1900	0.52	99.74
22.75- 23.25	4	1890	0.21	99.21
22.25- 22.75	6	1886	0.31	99.00
21.75- 22.25	13	1880	0.68	98.69
21.25- 21.75	14	1867	0.73	98.01
20.75- 21.25	15	1853	0.79	97.27
20.25- 20.75	22	1838	1.15	96.48
19.75- 20.25	30	1816	1.57	95.33
19.25- 19.75	37	1786	1.94	93.75
18.75- 19.25	75	1749	3.94	91.81
18.25- 18.75	123	1674	6.46	87.87
17.75- 18.25	129	1551	6.77	81.42
17.25- 17.75	229	1422	12.02	74.65
16.75- 17.25	265	1193	13.91	62.62
16.25- 16.75	278	928	14.59	48.71
15.75- 16.25	247	650	12.97	34.12
15.25- 15.75	195	403	10.24	21.15
14.75- 15.25	113	208	5.93	10.92
14.25- 14.75	65	95	3.41	4.99
13.75- 14.25	20	30	1.05	1.57
13.25- 13.75	8	10	0.42	0.52
12.75- 13.25	2	2	0.10	0.10

*IN CENTIMETERS

(76) ABDOMINAL EXTENSION DEPTH

Subject stands erect looking straight ahead, arms at sides, heels together, and weight distributed equally on both feet. With a beam caliper, measure the horizontal depth of the trunk at the level of the abdominal extension landmark. The reading is made at the point of maximum quiet inspiration. The subject must not pull in her stomach.



CENTIMETERS		INCHES
20.89	MEAN VALUE	8.22
0.05	SE(MEAN)	0.02
2.12	SD DEVIATION	0.83
0.03	SE(SD DEV)	0.01

RANGES*	F	CUMF	FPCT	CUMPT
30.25- 30.75	1	1905	0.05	100.00
29.75- 30.25	4	1904	0.21	99.95
29.25- 29.75	2	1900	0.10	99.74
28.75- 29.25	3	1898	0.16	99.63
28.25- 28.75	7	1895	0.37	99.48
27.75- 28.25	3	1888	0.16	99.11
27.25- 27.75	5	1885	0.26	98.95
26.75- 27.25	7	1880	0.37	98.69
26.25- 26.75	12	1873	0.63	98.32
25.75- 26.25	15	1861	0.79	97.69
25.25- 25.75	11	1846	0.58	96.90
24.75- 25.25	27	1835	1.42	96.33
24.25- 24.75	28	1808	1.47	94.91
23.75- 24.25	38	1780	1.99	93.44
23.25- 23.75	65	1742	3.41	91.44
22.75- 23.25	71	1677	3.73	88.03
22.25- 22.75	104	1606	5.46	84.30
21.75- 22.25	130	1502	6.82	78.85
21.25- 21.75	186	1372	9.76	72.02
20.75- 21.25	187	1186	9.82	62.26
20.25- 20.75	211	999	11.08	52.44
19.75- 20.25	209	788	10.97	41.36
19.25- 19.75	183	579	9.61	30.39
18.75- 19.25	123	396	6.46	20.79
18.25- 18.75	124	273	6.51	14.33
17.75- 18.25	84	149	4.41	7.82
17.25- 17.75	34	65	1.78	3.41
16.75- 17.25	15	31	0.79	1.63
16.25- 16.75	10	16	0.52	0.84
15.75- 16.25	6	6	0.31	0.31

*IN CENTIMETERS

SYMMETRY---VETA I = 0.94
 KURTOSIS---VETA II = 4.81
 COEF. OF VARIATION = 10.1%

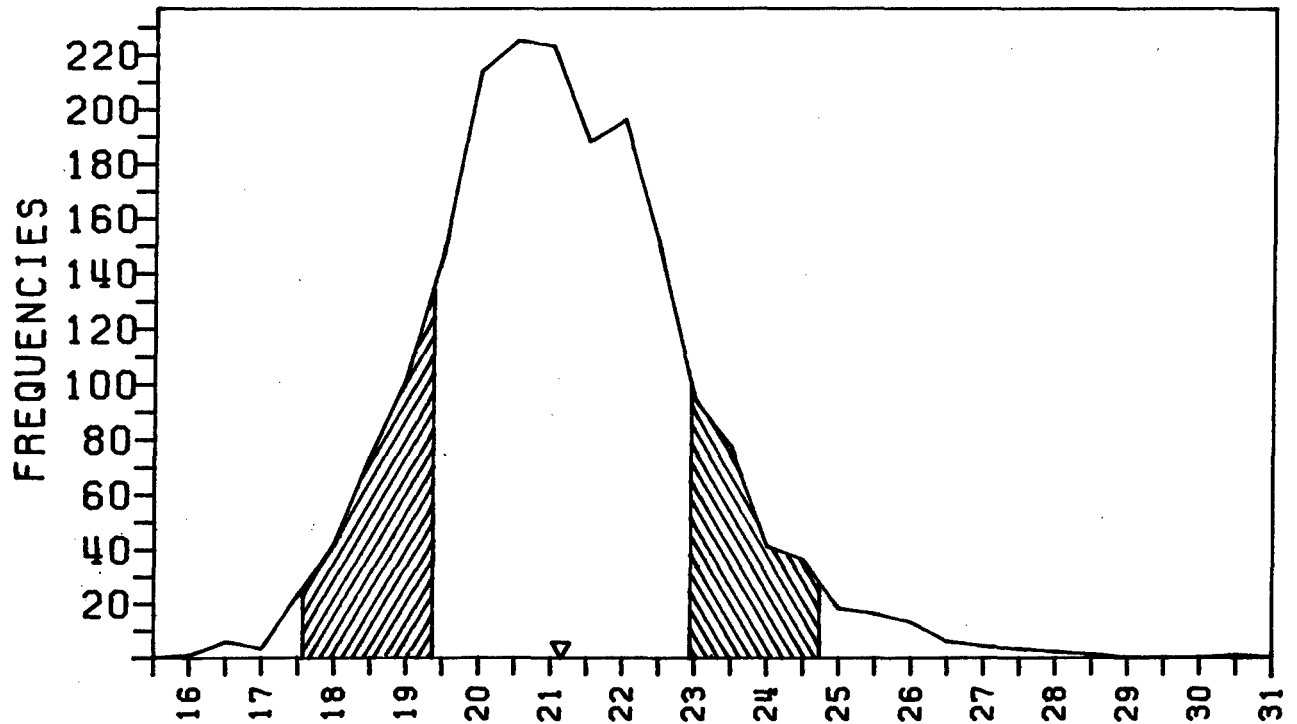
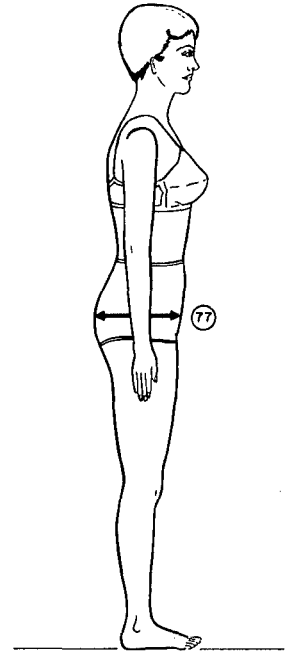
NUMBER OF SUBJECTS = 1905

THE PERCENTILES

CENTIMETERS		INCHES
27.92	99TH	10.99
26.52	98TH	10.44
25.74	97TH	10.13
24.80	95TH	9.76
23.57	90TH	9.28
22.87	85TH	9.00
22.38	80TH	8.81
21.98	75TH	8.65
21.65	70TH	8.52
21.36	65TH	8.41
21.10	60TH	8.31
20.86	55TH	8.21
20.63	50TH	8.12
20.40	45TH	8.03
20.18	40TH	7.94
19.95	35TH	7.86
19.72	30TH	7.76
19.47	25TH	7.67
19.19	20TH	7.56
18.88	15TH	7.43
18.49	10TH	7.28
17.92	5TH	7.05
17.56	3RD	6.91
17.30	2ND	6.81
16.92	1ST	6.66

(77) BUTTOCK DEPTH

Subject stands erect, heels together and weight distributed equally on both feet. With a beam caliper, measure the horizontal depth of the trunk at the level of the buttock landmark.



CENTIMETERS INCHES

21.15 MEAN VALUE 8.33
 0.04 SE(MEAN) 0.02
 1.79 SD DEVIATION 0.70
 0.03 SE(SD DEV) 0.01

SYMMETRY---VETA I = 0.54
 KURTOSIS---VETA II = 3.94
 COEF. OF VARIATION = 8.5%

NUMBER OF SUBJECTS = 1905

THE PERCENTILES

CENTIMETERS INCHES

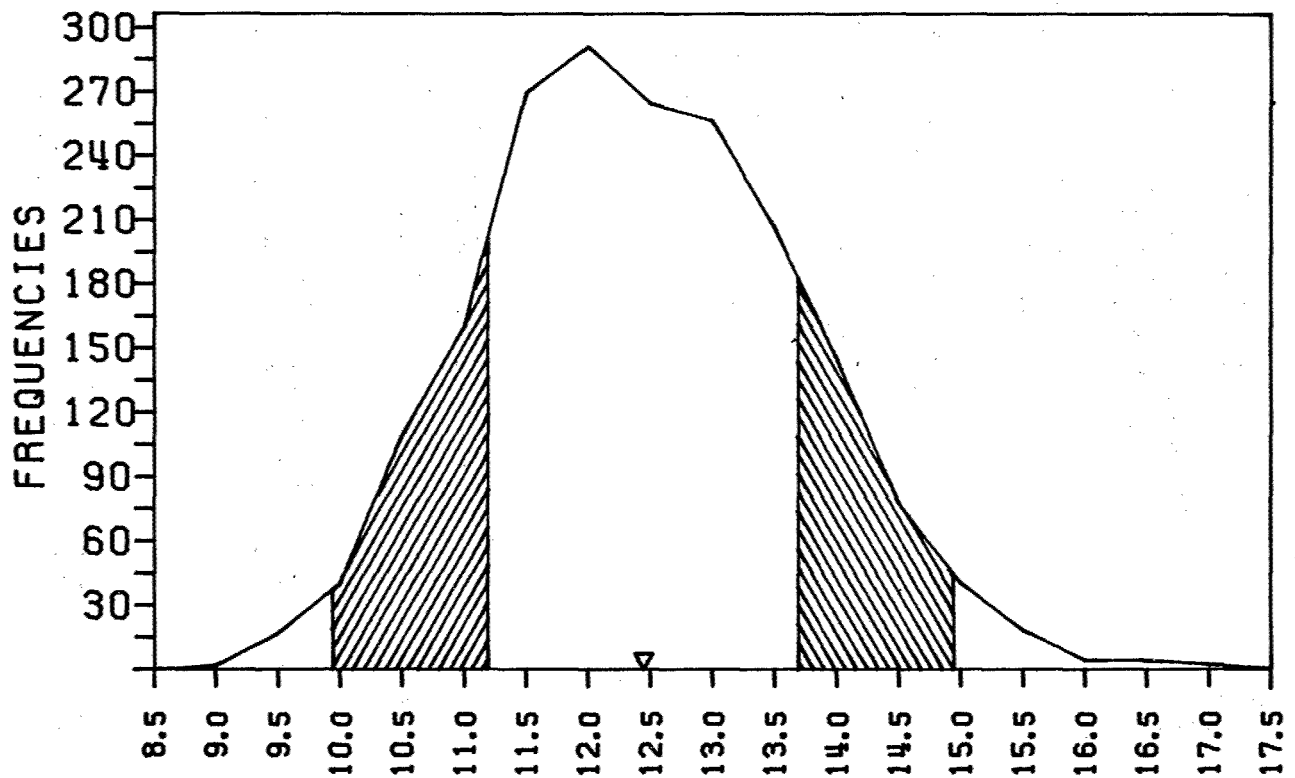
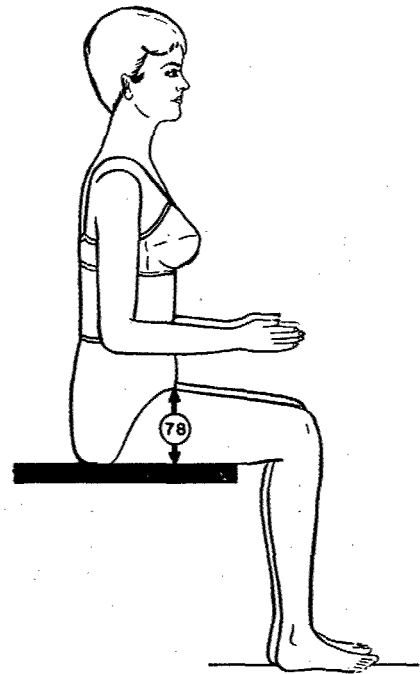
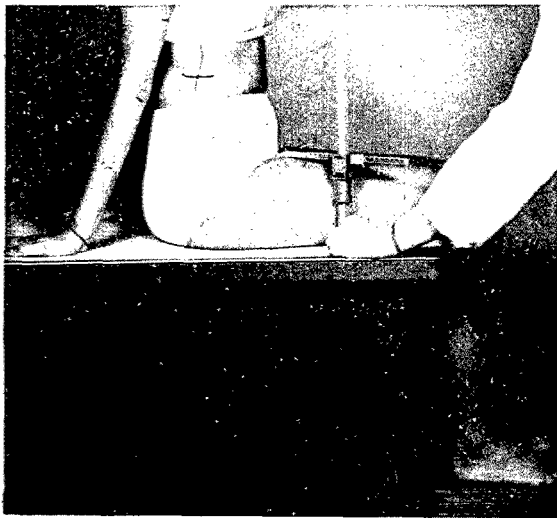
26.23	99TH	10.33
25.41	98TH	10.00
24.92	97TH	9.81
24.31	95TH	9.57
23.46	90TH	9.24
22.93	85TH	9.03
22.54	80TH	8.88
22.22	75TH	8.75
21.94	70TH	8.64
21.69	65TH	8.54
21.45	60TH	8.45
21.23	55TH	8.36
21.02	50TH	8.28
20.81	45TH	8.19
20.60	40TH	8.11
20.38	35TH	8.02
20.16	30TH	7.94
19.92	25TH	7.84
19.65	20TH	7.74
19.35	15TH	7.62
18.97	10TH	7.47
18.41	5TH	7.25
18.06	3RD	7.11
17.81	2ND	7.01
17.43	1ST	6.86

RANGES*	F	CUMF	FPCT	CUMPCT
30.25- 30.75	1	1905	0.05	100.00
29.75- 30.25	0	1904	0.00	99.95
29.25- 29.75	0	1904	0.00	99.95
28.75- 29.25	0	1904	0.00	99.95
28.25- 28.75	1	1904	0.05	99.95
27.75- 28.25	2	1903	0.10	99.90
27.25- 27.75	3	1901	0.16	99.79
26.75- 27.25	4	1898	0.21	99.63
26.25- 26.75	6	1894	0.31	99.42
25.75- 26.25	13	1888	0.68	99.11
25.25- 25.75	16	1875	0.84	98.43
24.75- 25.25	18	1859	0.94	97.59
24.25- 24.75	36	1841	1.89	96.64
23.75- 24.25	41	1805	2.15	94.75
23.25- 23.75	77	1764	4.04	92.60
22.75- 23.25	94	1687	4.93	88.56
22.25- 22.75	149	1593	7.82	83.62
21.75- 22.25	196	1444	10.29	75.80
21.25- 21.75	188	1248	9.87	65.51
20.75- 21.25	223	1060	11.71	55.64
20.25- 20.75	225	837	11.81	43.94
19.75- 20.25	214	612	11.23	32.13
19.25- 19.75	147	398	7.72	20.89
18.75- 19.25	102	251	5.35	13.18
18.25- 18.75	74	149	3.88	7.82
17.75- 18.25	42	75	2.20	3.94
17.25- 17.75	23	33	1.21	1.73
16.75- 17.25	3	10	0.16	0.52
16.25- 16.75	6	7	0.31	0.37
15.75- 16.25	1	1	0.05	0.05

*IN CENTIMETERS

(78) THIGH CLEARANCE

Subject sits erect on a flat surface, feet on the adjustable platform, and knees flexed 90 degrees. With an anthropometer, measure the vertical distance from the sitting surface to the highest point on the right thigh.



CENTIMETERS INCHES

12.44 MEAN VALUE 4.90
 0.03 SE(MEAN) 0.01
 1.25 SD DEVIATION 0.49
 0.02 SE(SD DEV) 0.01

SYMMETRY---VETA I = 0.20
 KURTOSIS---VETA II = 2.86
 COEF. OF VARIATION = 10.1%

RANGES*	F	CUMF	FPCT	CUMPCT
16.75- 17.25	2	1905	0.10	100.00
16.25- 16.75	4	1903	0.21	99.90
15.75- 16.25	4	1899	0.21	99.69
15.25- 15.75	18	1895	0.94	99.48
14.75- 15.25	40	1877	2.10	98.53
14.25- 14.75	77	1837	4.04	96.43
13.75- 14.25	145	1760	7.61	92.39
13.25- 13.75	206	1615	10.81	84.78
12.75- 13.25	256	1409	13.44	73.96
12.25- 12.75	264	1153	13.86	60.52
11.75- 12.25	291	889	15.28	46.67
11.25- 11.75	270	598	14.17	31.39
10.75- 11.25	160	328	8.40	17.22
10.25- 10.75	109	168	5.72	8.82
9.75- 10.25	40	59	2.10	3.10
9.25- 9.75	17	19	0.89	1.00
8.75- 9.25	2	2	0.10	0.10

NUMBER OF SUBJECTS = 1905

THE PERCENTILES

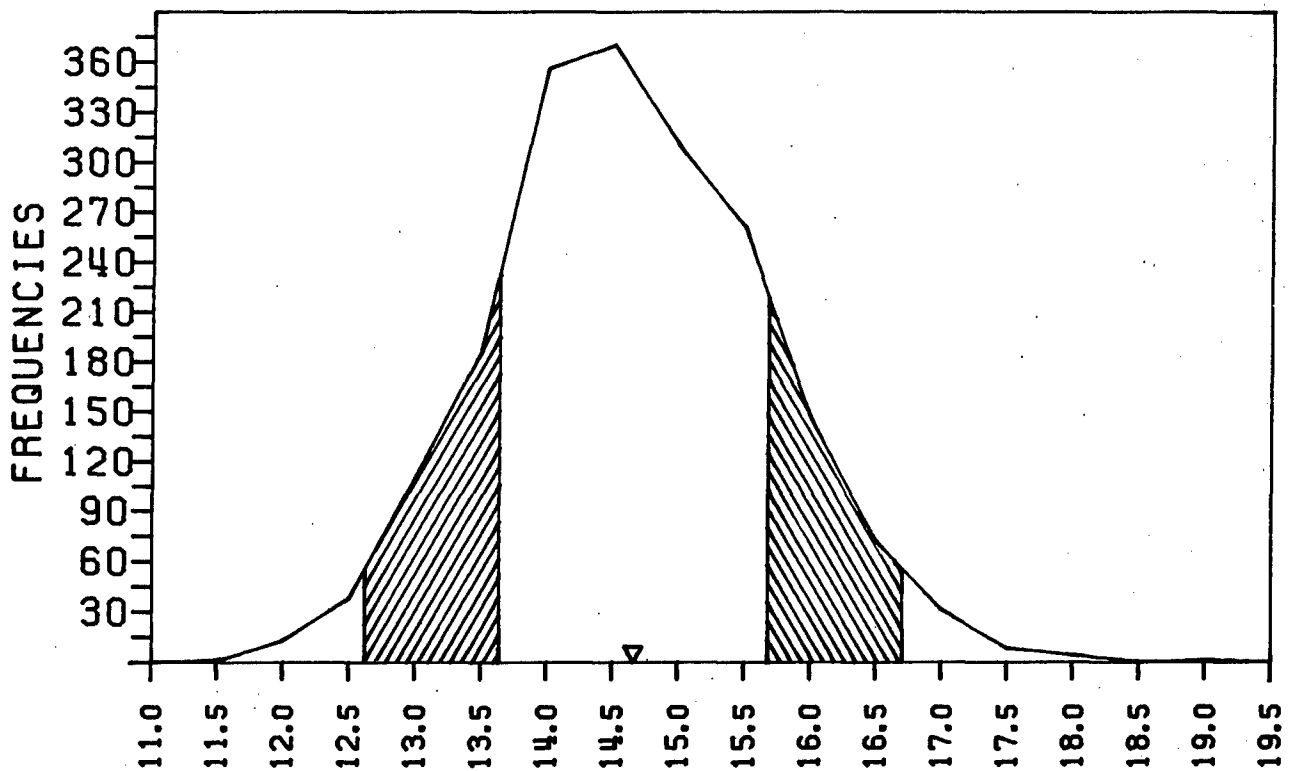
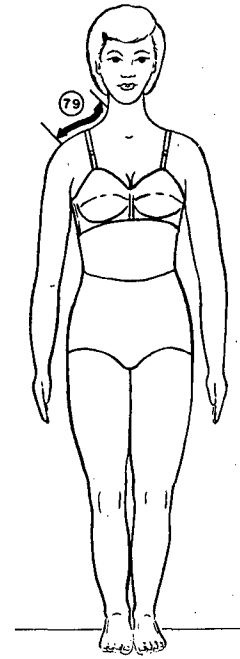
CENTIMETERS INCHES

15.48	99TH	6.09
15.13	98TH	5.96
14.90	97TH	5.87
14.59	95TH	5.74
14.10	90TH	5.55
13.77	85TH	5.42
13.51	80TH	5.32
13.28	75TH	5.23
13.08	70TH	5.15
12.89	65TH	5.08
12.72	60TH	5.01
12.55	55TH	4.94
12.38	50TH	4.88
12.22	45TH	4.81
12.06	40TH	4.75
11.89	35TH	4.68
11.72	30TH	4.61
11.53	25TH	4.54
11.33	20TH	4.46
11.10	15TH	4.37
10.82	10TH	4.26
10.42	5TH	4.10
10.18	3RD	4.01
10.01	2ND	3.94
9.76	1ST	3.84

*IN CENTIMETERS

(79) SHOULDER LENGTH

Subject stands erect with the head in the Frankfort plane. With a tape, measure the surface distance along the top of the shoulder from the right lateral-neck landmark to the right acromial landmark.



CENTIMETERS		INCHES
14.66	MEAN VALUE	5.77
0.02	SE(MEAN)	0.01
1.02	SD DEVIATION	0.40
0.02	SE(SD DEV)	0.01

SYMMETRY---VETA I = 0.16
 KURTOSIS---VETA II = 3.02
 COEF. OF VARIATION = 7.0%

NUMBER OF SUBJECTS = 1905

THE PERCENTILES

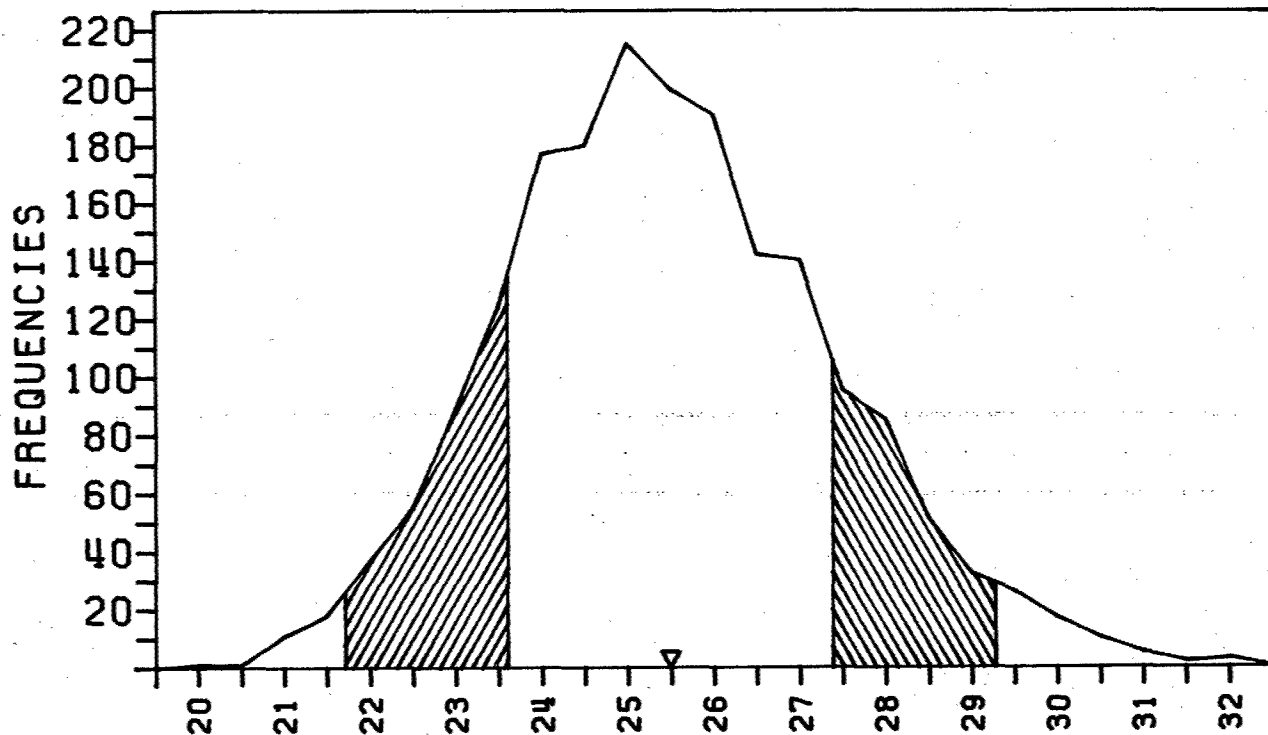
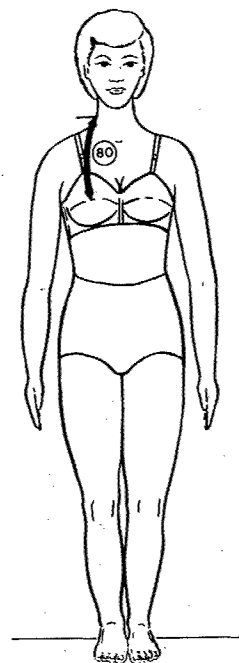
CENTIMETERS		INCHES
17.15	99TH	6.75
16.85	98TH	6.63
16.66	97TH	6.56
16.40	95TH	6.46
15.99	90TH	6.30
15.72	85TH	6.19
15.50	80TH	6.10
15.32	75TH	6.03
15.16	70TH	5.97
15.01	65TH	5.91
14.87	60TH	5.85
14.73	55TH	5.80
14.60	50TH	5.75
14.47	45TH	5.70
14.34	40TH	5.65
14.21	35TH	5.59
14.07	30TH	5.54
13.92	25TH	5.48
13.76	20TH	5.42
13.57	15TH	5.34
13.33	10TH	5.25
12.98	5TH	5.11
12.75	3RD	5.02
12.58	2ND	4.95
12.31	1ST	4.85

RANGES*	F	CUMF	FPCT	CUMPCT
18.75- 19.25	1	1905	0.05	100.00
18.25- 18.75	0	1904	0.00	99.95
17.75- 18.25	4	1904	0.21	99.95
17.25- 17.75	8	1900	0.42	99.74
16.75- 17.25	31	1892	1.63	99.32
16.25- 16.75	72	1861	3.78	97.69
15.75- 16.25	146	1789	7.66	93.91
15.25- 15.75	260	1643	13.65	86.25
14.75- 15.25	309	1383	16.22	72.60
14.25- 14.75	370	1074	19.42	56.38
13.75- 14.25	356	704	18.69	36.96
13.25- 13.75	186	348	9.76	18.27
12.75- 13.25	110	162	5.77	8.50
12.25- 12.75	38	52	1.99	2.73
11.75- 12.25	13	14	0.68	0.73
11.25- 11.75	1	1	0.05	0.05

*IN CENTIMETERS

(80) NECK-TO-BUSTPOINT LENGTH

Subject stands erect looking straight ahead. With a tape, measure the straight line distance from the right lateral-neck landmark to the right bustpoint landmark. The tape is held tense and does not follow the surface contour of the body.



CENTIMETERS INCHES

25.49 MEAN VALUE 10.04
0.04 SE(MEAN) 0.02
1.89 SD DEVIATION 0.74
0.03 SE(SD DEV) 0.01

SYMMETRY---VETA I = 0.29
KURTOSIS---VETA II = 3.06
COEF. OF VARIATION = 7.4%

NUMBER OF SUBJECTS = 1905

THE PERCENTILES

CENTIMETERS INCHES

30.32	99TH	11.94
29.71	98TH	11.70
29.32	97TH	11.54
28.79	95TH	11.33
27.99	90TH	11.02
27.46	85TH	10.81
27.05	80TH	10.65
26.70	75TH	10.51
26.39	70TH	10.39
26.12	65TH	10.28
25.86	60TH	10.18
25.61	55TH	10.08
25.37	50TH	9.99
25.13	45TH	9.90
24.90	40TH	9.80
24.66	35TH	9.71
24.41	30TH	9.61
24.15	25TH	9.51
23.86	20TH	9.39
23.53	15TH	9.26
23.12	10TH	9.10
22.52	5TH	8.87
22.14	3RD	8.71
21.85	2ND	8.60
21.40	1ST	8.42

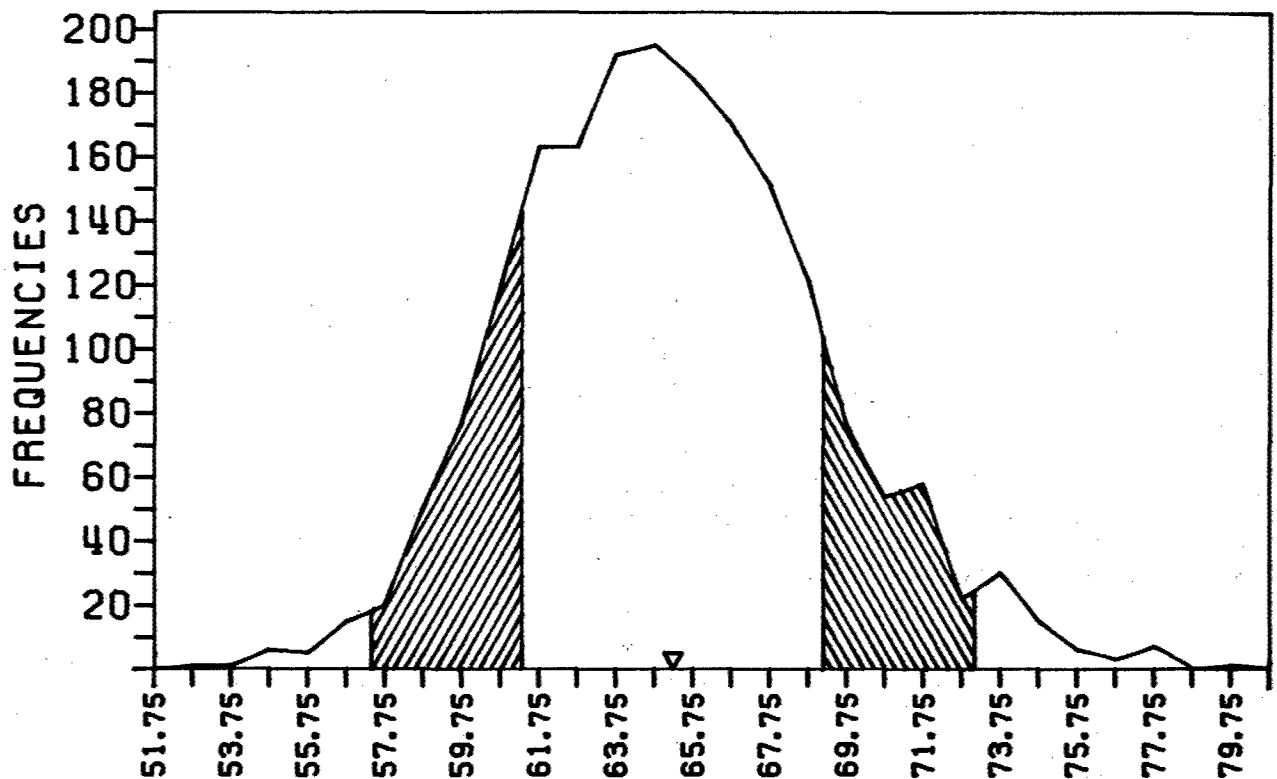
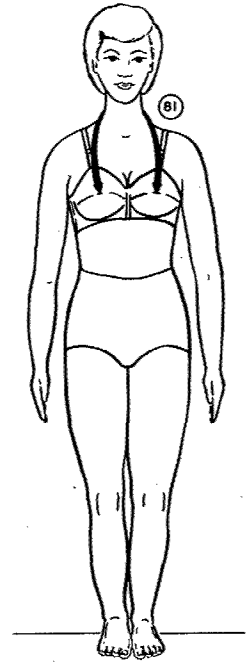
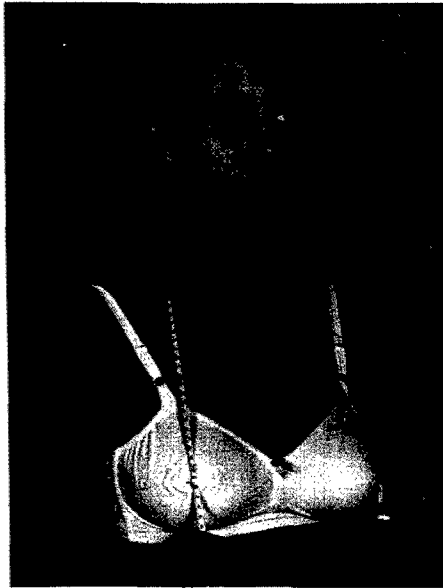
RANGES* F CUMF FPCT CUMPT

31.75- 32.25	3	1905	0.16	100.00
31.25- 31.75	2	1902	0.10	99.84
30.75- 31.25	5	1900	0.26	99.74
30.25- 30.75	10	1895	0.52	99.48
29.75- 30.25	17	1885	0.89	98.95
29.25- 29.75	26	1868	1.36	98.06
28.75- 29.25	32	1842	1.68	96.69
28.25- 28.75	51	1810	2.68	95.01
27.75- 28.25	85	1759	4.46	92.34
27.25- 27.75	95	1674	4.99	87.87
26.75- 27.25	140	1579	7.35	82.89
26.25- 26.75	142	1439	7.45	75.54
25.75- 26.25	190	1297	9.97	68.08
25.25- 25.75	199	1107	10.45	58.11
24.75- 25.25	215	908	11.29	47.66
24.25- 24.75	180	693	9.45	36.38
23.75- 24.25	177	513	9.29	26.93
23.25- 23.75	124	336	6.51	17.64
22.75- 23.25	89	212	4.67	11.13
22.25- 22.75	55	123	2.89	6.46
21.75- 22.25	37	68	1.94	3.57
21.25- 21.75	18	31	0.94	1.63
20.75- 21.25	11	13	0.58	0.68
20.25- 20.75	1	2	0.05	0.10
19.75- 20.25	1	1	0.05	0.05

*IN CENTIMETERS

(81) STRAP LENGTH

Subject stands erect with head in the Frankfort plane. With a tape, measure the distance from the right bustpoint landmark across the posterior neck landmark to the left bustpoint landmark. The tape is held tense and does not follow the curvature of the front of the body.



CENTIMETERS

INCHES

65.22 MEAN VALUE 25.68
 0.09 SE(MEAN) 0.04
 3.92 SD DEVIATION 1.54
 0.06 SE(SD DEV) 0.02

SYMMETRY---VETA I = 0.31
 KURTOSIS---VETA II = 3.17
 COEF. OF VARIATION = 6.0%

NUMBER OF SUBJECTS = 1905

THE PERCENTILES

CENTIMETERS

INCHES

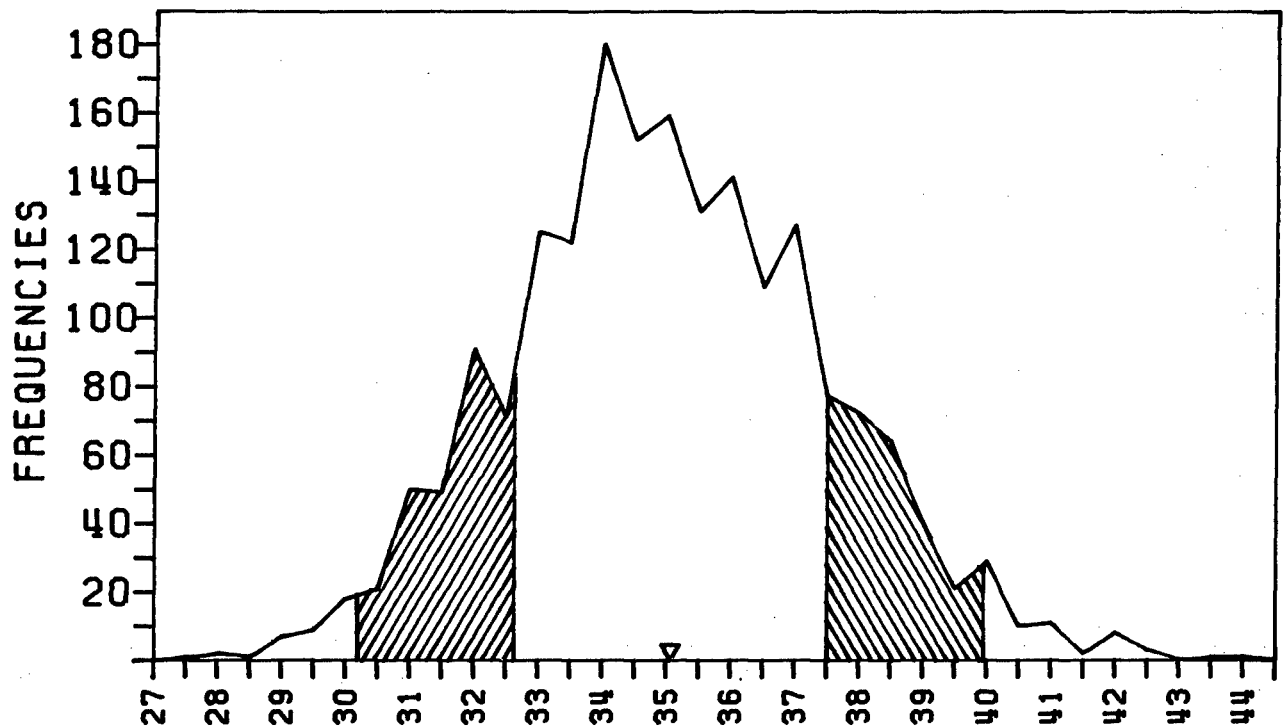
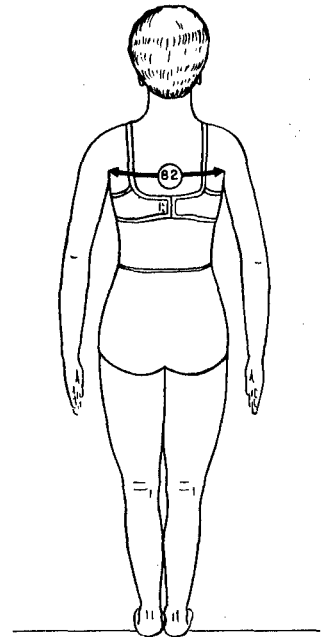
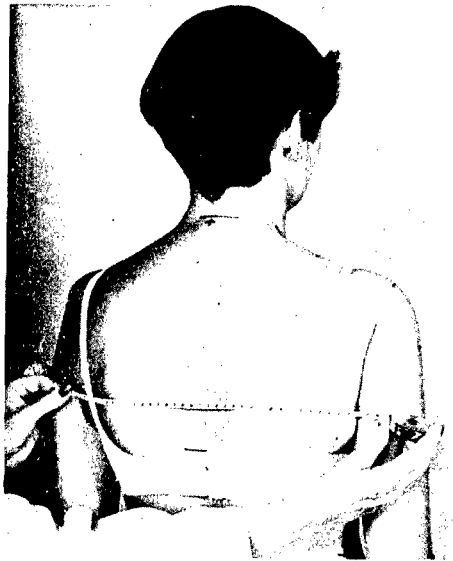
75.21	99TH	29.61
73.99	98TH	29.13
73.20	97TH	28.82
72.11	95TH	28.39
70.42	90TH	27.72
69.30	85TH	27.28
68.43	80TH	26.94
67.69	75TH	26.65
67.05	70TH	26.40
66.47	65TH	26.17
65.93	60TH	25.96
65.42	55TH	25.75
64.92	50TH	25.56
64.44	45TH	25.37
63.96	40TH	25.18
63.48	35TH	24.99
62.98	30TH	24.79
62.45	25TH	24.59
61.87	20TH	24.36
61.21	15TH	24.10
60.39	10TH	23.78
59.17	5TH	23.30
58.36	3RD	22.98
57.74	2ND	22.73
56.70	1ST	22.32

RANGES*	F	CUMF	FPCT	CUMPCCT
79.25- 80.25	1	1905	0.05	100.00
78.25- 79.25	0	1904	0.00	99.95
77.25- 78.25	7	1904	0.37	99.95
76.25- 77.25	3	1897	0.16	99.58
75.25- 76.25	6	1894	0.31	99.42
74.25- 75.25	15	1888	0.79	99.11
73.25- 74.25	30	1873	1.57	98.32
72.25- 73.25	22	1843	1.15	96.75
71.25- 72.25	58	1821	3.04	95.59
70.25- 71.25	54	1763	2.83	92.55
69.25- 70.25	76	1709	3.99	89.71
68.25- 69.25	121	1633	6.35	85.72
67.25- 68.25	151	1512	7.93	79.37
66.25- 67.25	170	1361	8.92	71.44
65.25- 66.25	184	1191	9.66	62.52
64.25- 65.25	195	1007	10.24	52.86
63.25- 64.25	192	812	10.08	42.62
62.25- 63.25	163	620	8.56	32.55
61.25- 62.25	163	457	8.56	23.99
60.25- 61.25	119	294	6.25	15.43
59.25- 60.25	77	175	4.04	9.19
58.25- 59.25	50	98	2.62	5.14
57.25- 58.25	20	48	1.05	2.52
56.25- 57.25	15	28	0.79	1.47
55.25- 56.25	5	13	0.26	0.68
54.25- 55.25	6	8	0.31	0.42
53.25- 54.25	1	2	0.05	0.10
52.25- 53.25	1	1	0.05	0.05

*IN CENTIMETERS

(82) INTERSCYE CURVATURE

Subject stands erect with arms relaxed. With a tape held in a horizontal plane, measure the distance across the back between the posterior scye-point landmarks.



RANGES*	F	CUMF	FPCT	CUMPT
43.75- 44.25	1	1905	0.05	100.00
43.25- 43.75	1	1904	0.05	99.95
42.75- 43.25	0	1903	0.00	99.90
42.25- 42.75	3	1903	0.16	99.90
41.75- 42.25	8	1900	0.42	99.74
41.25- 41.75	2	1892	0.10	99.32
40.75- 41.25	11	1890	0.58	99.21
40.25- 40.75	10	1879	0.52	98.64
39.75- 40.25	29	1869	1.52	98.11
39.25- 39.75	21	1840	1.10	96.59
38.75- 39.25	40	1819	2.10	95.49
38.25- 38.75	64	1779	3.36	93.39
37.75- 38.25	72	1715	3.78	90.03
37.25- 37.75	77	1643	4.04	86.25
36.75- 37.25	127	1566	6.67	82.20
36.25- 36.75	109	1439	5.72	75.54
35.75- 36.25	141	1330	7.40	69.82
35.25- 35.75	131	1189	6.88	62.41
34.75- 35.25	159	1058	8.35	55.54
34.25- 34.75	152	899	7.98	47.19
33.75- 34.25	180	747	9.45	39.21
33.25- 33.75	122	567	6.40	29.76
32.75- 33.25	125	445	6.56	23.36
32.25- 32.75	71	320	3.73	16.80
31.75- 32.25	91	249	4.78	13.07
31.25- 31.75	49	158	2.57	8.29
30.75- 31.25	50	109	2.62	5.72
30.25- 30.75	21	59	1.10	3.10
29.75- 30.25	18	38	0.94	1.99
29.25- 29.75	9	20	0.47	1.05
28.75- 29.25	7	11	0.37	0.58
28.25- 28.75	1	4	0.05	0.21
27.75- 28.25	2	3	0.10	0.16
27.25- 27.75	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS	INCHES
35.06	MEAN VALUE 13.80
0.06	SE(MEAN) 0.02
2.44	SD DEVIATION 0.96
0.04	SE(SD DEV) 0.02

SYMMETRY---VETA I = 0.19
KURTOSIS---VETA II = 3.02
COEF. OF VARIATION = 7.02

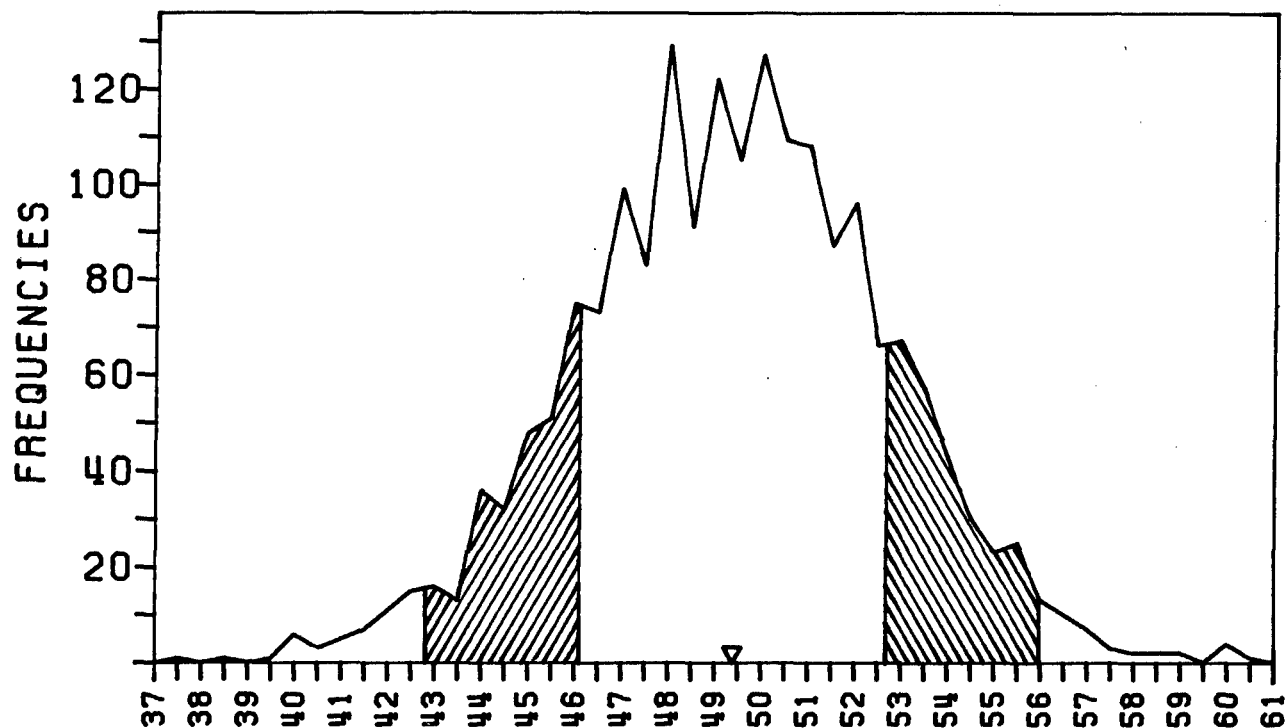
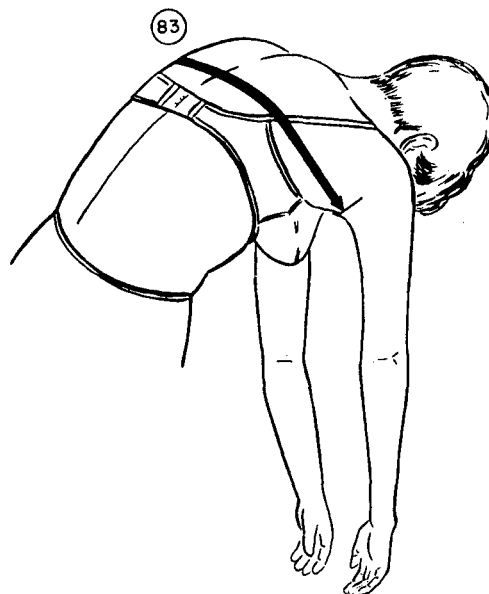
NUMBER OF SUBJECTS = 1905

THE PERCENTILES

CENTIMETERS	INCHES
41.03	99TH 16.15
40.29	98TH 15.86
39.83	97TH 15.68
39.19	95TH 15.43
38.23	90TH 15.05
37.58	85TH 14.80
37.08	80TH 14.60
36.64	75TH 14.43
36.26	70TH 14.28
35.91	65TH 14.14
35.58	60TH 14.01
35.27	55TH 13.88
34.96	50TH 13.76
34.65	45TH 13.64
34.34	40TH 13.52
34.03	35TH 13.40
33.70	30TH 13.27
33.35	25TH 13.13
32.96	20TH 12.97
32.51	15TH 12.80
31.96	10TH 12.58
31.16	5TH 12.27
30.65	3RD 12.07
30.27	2ND 11.92
29.70	1ST 11.69

(83) INTERSCYE CURVATURE, MAXIMUM

Subject stands, torso bent forward from the waist at an angle of about 90 degrees and arms hanging relaxed. With a tape, measure the surface distance across the back between the posterior scye-point landmarks.



RANGES*	F	CUMF	FPCT	CUMPCT
60.25- 60.75	1	1905	0.05	100.00
59.75- 60.25	4	1904	0.21	99.95
59.25- 59.75	0	1900	0.00	99.74
58.75- 59.25	2	1900	0.10	99.74
58.25- 58.75	2	1898	0.10	99.63
57.75- 58.25	2	1896	0.10	99.53
57.25- 57.75	3	1894	0.16	99.42
56.75- 57.25	7	1891	0.37	99.27
56.25- 56.75	10	1884	0.52	98.90
55.75- 56.25	13	1874	0.68	98.37
55.25- 55.75	25	1861	1.31	97.69
54.75- 55.25	23	1836	1.21	96.38
54.25- 54.75	30	1813	1.57	95.17
53.75- 54.25	43	1783	2.26	93.60
53.25- 53.75	57	1740	2.99	91.34
52.75- 53.25	67	1683	3.52	88.35
52.25- 52.75	66	1616	3.46	84.83
51.75- 52.25	96	1550	5.04	81.36
51.25- 51.75	87	1454	4.57	76.33
50.75- 51.25	108	1367	5.67	71.76
50.25- 50.75	109	1259	5.72	66.09
49.75- 50.25	127	1150	6.67	60.37
49.25- 49.75	105	1023	5.51	53.70
48.75- 49.25	122	918	6.40	48.19
48.25- 48.75	91	796	4.78	41.78
47.75- 48.25	129	705	6.77	37.01
47.25- 47.75	83	576	4.36	30.24
46.75- 47.25	99	493	5.20	25.88
46.25- 46.75	73	394	3.83	20.68
45.75- 46.25	75	321	3.94	16.85
45.25- 45.75	51	246	2.68	12.91
44.75- 45.25	48	195	2.52	10.24
44.25- 44.75	32	147	1.68	7.72
43.75- 44.25	36	115	1.89	6.04
43.25- 43.75	13	79	0.68	4.15
42.75- 43.25	16	66	0.84	3.46
42.25- 42.75	15	50	0.79	2.62
41.75- 42.25	11	35	0.58	1.84
41.25- 41.75	7	24	0.37	1.26
40.75- 41.25	5	17	0.26	0.89
40.25- 40.75	3	12	0.16	0.63
39.75- 40.25	6	9	0.31	0.47
39.25- 39.75	1	3	0.05	0.16
38.75- 39.25	0	2	0.00	0.10
38.25- 38.75	1	2	0.05	0.10
37.75- 38.25	0	1	0.00	0.05
37.25- 37.75	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS INCHES

49.39 MEAN VALUE 19.45
0.08 SE(MEAN) 0.03
3.29 SD DEVIATION 1.29
0.05 SE(SD DEV) 0.02

SYMMETRY---VETA I = -0.05
KURTOSIS---VETA II = 3.15
COEF. OF VARIATION = 6.6%

NUMBER OF SUBJECTS = 1905

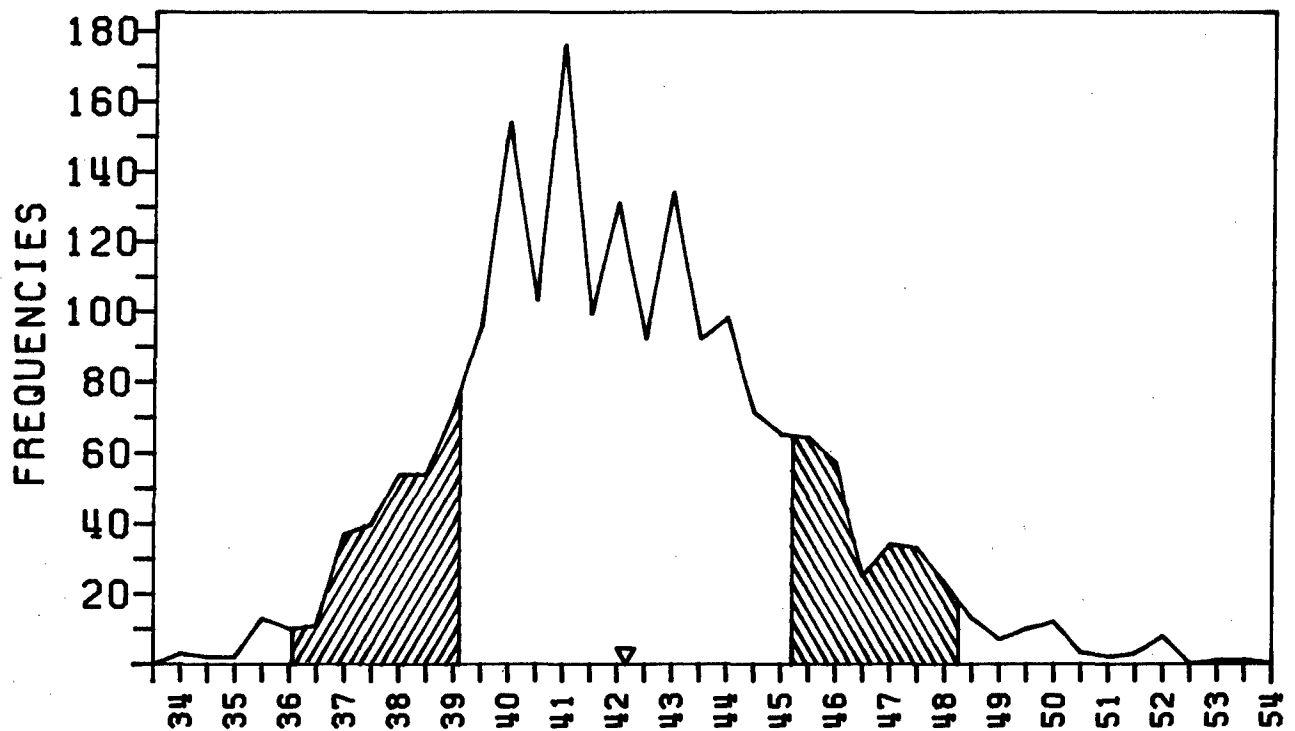
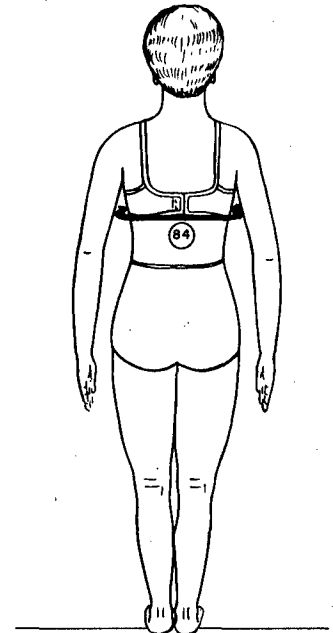
THE PERCENTILES

CENTIMETERS INCHES

56.87	99TH	22.39
56.01	98TH	22.05
55.46	97TH	21.84
54.71	95TH	21.54
53.54	90TH	21.08
52.75	85TH	20.77
52.12	80TH	20.52
51.58	75TH	20.31
51.10	70TH	20.12
50.65	65TH	19.94
50.23	60TH	19.77
49.82	55TH	19.61
49.41	50TH	19.45
49.00	45TH	19.29
48.59	40TH	19.13
48.16	35TH	18.96
47.70	30TH	18.78
47.21	25TH	18.59
46.65	20TH	18.37
46.00	15TH	18.11
45.17	10TH	17.78
43.90	5TH	17.28
43.04	3RD	16.95
42.40	2ND	16.69
41.36	1ST	16.28

(84) BACK CURVATURE

Subject stands erect with hands on hips. With a tape held in a horizontal plane, measure the distance across the back between the mid-axillary landmarks at the level of the bustpoint landmarks.



RANGES*	F	CUMF	FPCT	CUMPT
53.25- 53.75	1	1905	0.05	100.00
52.75- 53.25	1	1904	0.05	99.95
52.25- 52.75	0	1903	0.00	99.90
51.75- 52.25	8	1903	0.42	99.90
51.25- 51.75	3	1895	0.16	99.48
50.75- 51.25	2	1892	0.10	99.32
50.25- 50.75	3	1890	0.16	99.21
49.75- 50.25	12	1887	0.63	99.06
49.25- 49.75	10	1875	0.52	98.43
48.75- 49.25	7	1865	0.37	97.90
48.25- 48.75	13	1858	0.68	97.53
47.75- 48.25	23	1845	1.21	96.85
47.25- 47.75	33	1822	1.73	95.64
46.75- 47.25	34	1789	1.78	93.91
46.25- 46.75	25	1755	1.31	92.13
45.75- 46.25	57	1730	2.99	90.81
45.25- 45.75	64	1673	3.36	87.82
44.75- 45.25	65	1609	3.41	84.46
44.25- 44.75	71	1544	3.73	81.05
43.75- 44.25	98	1473	5.14	77.32
43.25- 43.75	92	1375	4.83	72.18
42.75- 43.25	134	1283	7.03	67.35
42.25- 42.75	92	1149	4.83	60.31
41.75- 42.25	131	1057	6.88	55.49
41.25- 41.75	99	926	5.20	48.61
40.75- 41.25	176	827	9.24	43.41
40.25- 40.75	103	651	5.41	34.17
39.75- 40.25	154	548	8.08	28.77
39.25- 39.75	96	394	5.04	20.68
38.75- 39.25	72	298	3.78	15.64
38.25- 38.75	54	226	2.83	11.86
37.75- 38.25	54	172	2.83	9.03
37.25- 37.75	40	118	2.10	6.19
36.75- 37.25	37	78	1.94	4.09
36.25- 36.75	11	41	0.58	2.15
35.75- 36.25	10	30	0.52	1.57
35.25- 35.75	13	20	0.68	1.05
34.75- 35.25	2	7	0.10	0.37
34.25- 34.75	2	5	0.10	0.26
33.75- 34.25	3	3	0.16	0.16

*IN CENTIMETERS

CENTIMETERS INCHES

42.15 MEAN VALUE 16.59
0.07 SE(MEAN) 0.03
3.05 SD DEVIATION 1.20
0.05 SE(SD DEV) 0.02

SYMMETRY---VETA I = 0.44
KURTOSIS---VETA II = 3.28
COEF. OF VARIATION = 7.2%

NUMBER OF SUBJECTS = 1905

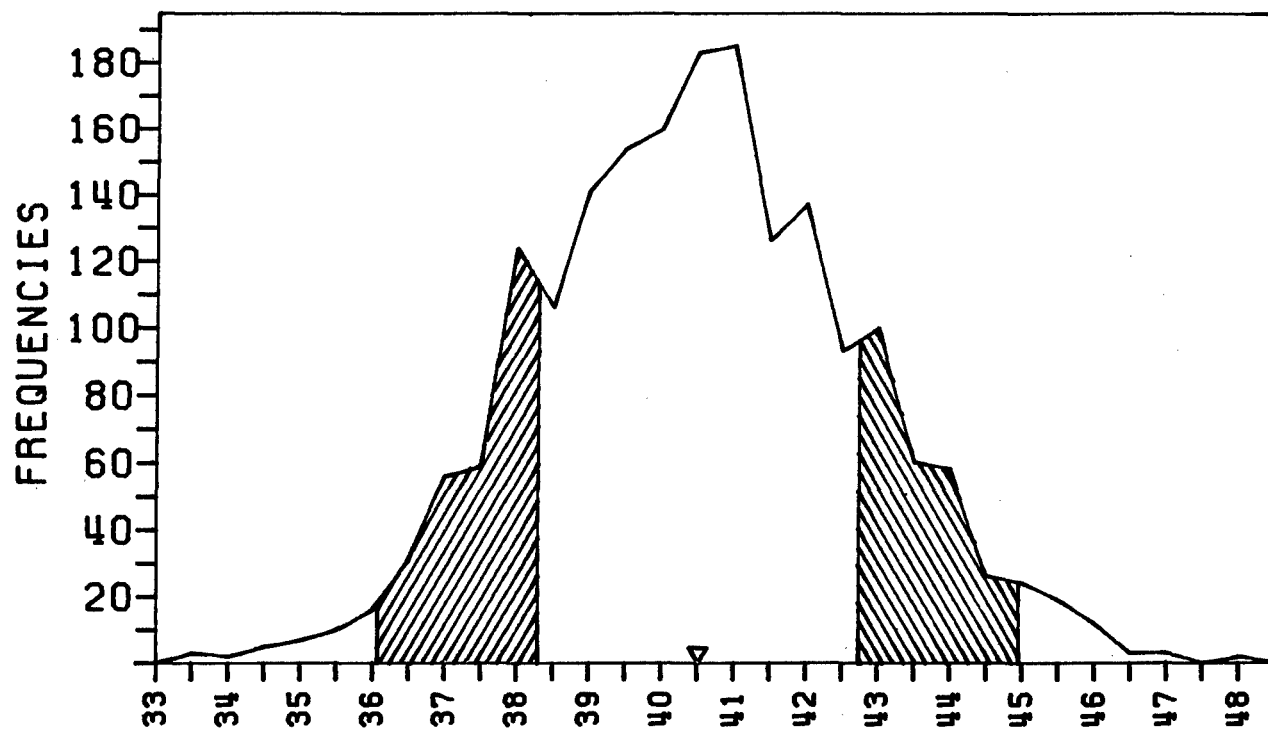
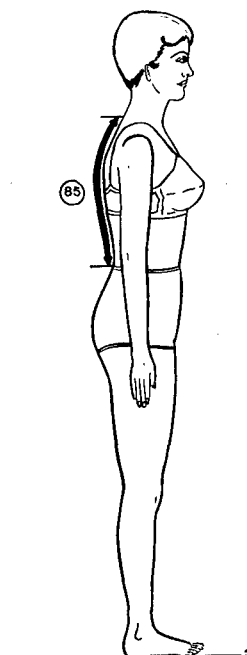
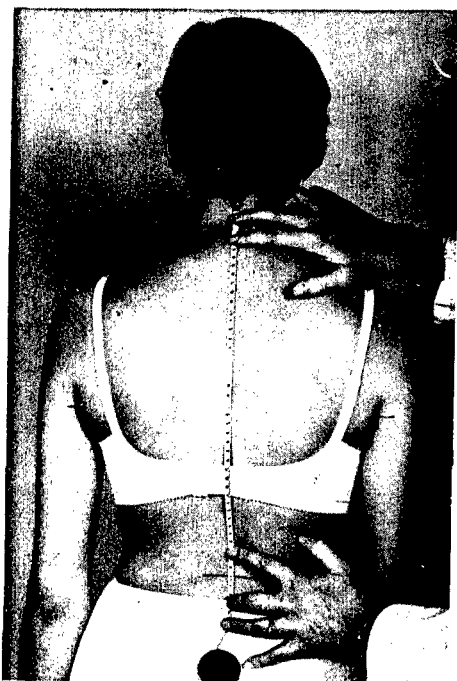
THE PERCENTILES

CENTIMETERS INCHES

50.25	99TH	19.78
49.17	98TH	19.36
48.49	97TH	19.09
47.57	95TH	18.73
46.18	90TH	18.18
45.28	85TH	17.83
44.59	80TH	17.55
44.01	75TH	17.33
43.51	70TH	17.13
43.06	65TH	16.95
42.64	60TH	16.79
42.25	55TH	16.63
41.87	50TH	16.48
41.50	45TH	16.34
41.14	40TH	16.20
40.77	35TH	16.05
40.40	30TH	15.91
40.00	25TH	15.75
39.57	20TH	15.58
39.08	15TH	15.39
38.47	10TH	15.15
37.57	5TH	14.79
36.97	3RD	14.56
36.51	2ND	14.38
35.75	1ST	14.07

(85) WAIST BACK

Subject stands erect with head in the Frankfort plane. With a tape, measure the surface distance along the spine from the cervicale landmark to the posterior waist landmark.



CENTIMETERS

INCHES

40.51 MEAN VALUE 15.95
 0.05 SE(MEAN) 0.02
 2.22 SD DEVIATION 0.87
 0.04 SE(SD DEV) 0.01

SYMMETRY---VETA I = 0.10
 KURTOSIS---VETA II = 3.00
 COEF. OF VARIATION = 5.5%

NUMBER OF SUBJECTS = 1905

THE PERCENTILES

CENTIMETERS

INCHES

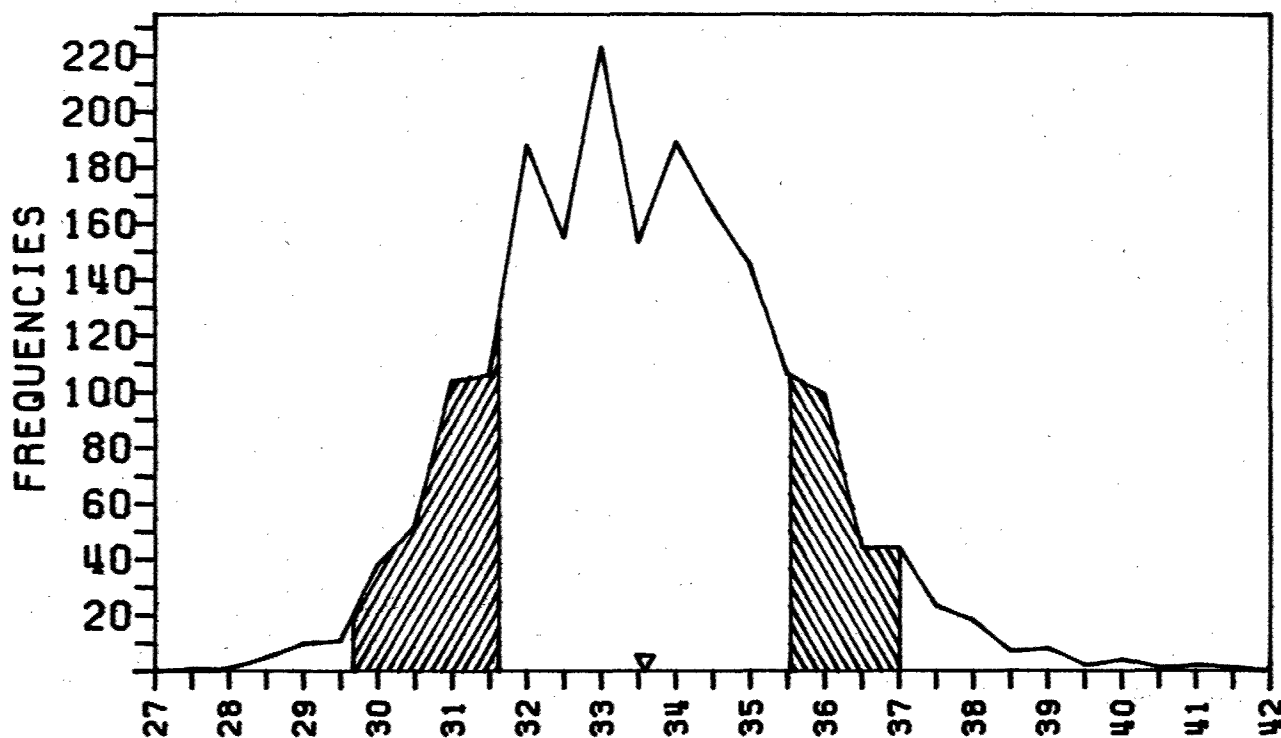
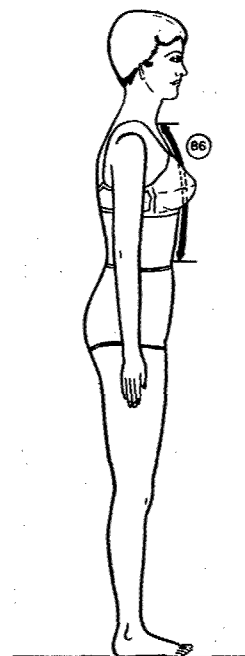
45.82	99TH	18.04
45.22	98TH	17.80
44.83	97TH	17.65
44.28	95TH	17.43
43.41	90TH	17.09
42.82	85TH	16.86
42.36	80TH	16.68
41.96	75TH	16.52
41.61	70TH	16.38
41.29	65TH	16.26
40.99	60TH	16.14
40.70	55TH	16.03
40.42	50TH	15.91
40.15	45TH	15.81
39.87	40TH	15.70
39.59	35TH	15.59
39.29	30TH	15.47
38.98	25TH	15.34
38.63	20TH	15.21
38.22	15TH	15.05
37.71	10TH	14.85
36.95	5TH	14.55
36.44	3RD	14.35
36.05	2ND	14.19
35.40	1ST	13.94

RANGES*	F	CUMF	FPCT	CUMPT
47.75- 48.25	2	1905	0.10	100.00
47.25- 47.75	0	1903	0.00	99.90
46.75- 47.25	3	1903	0.16	99.90
46.25- 46.75	3	1900	0.16	99.74
45.75- 46.25	12	1897	0.63	99.58
45.25- 45.75	19	1885	1.00	98.95
44.75- 45.25	24	1866	1.26	97.95
44.25- 44.75	26	1842	1.36	96.69
43.75- 44.25	58	1816	3.04	95.33
43.25- 43.75	60	1758	3.15	92.28
42.75- 43.25	100	1698	5.25	89.13
42.25- 42.75	93	1598	4.88	83.88
41.75- 42.25	137	1505	7.19	79.00
41.25- 41.75	126	1368	6.61	71.81
40.75- 41.25	185	1242	9.71	65.20
40.25- 40.75	183	1057	9.61	55.49
39.75- 40.25	160	874	8.40	45.88
39.25- 39.75	154	714	8.08	37.48
38.75- 39.25	141	560	7.40	29.40
38.25- 38.75	106	419	5.56	21.99
37.75- 38.25	124	313	6.51	16.43
37.25- 37.75	59	189	3.10	9.92
36.75- 37.25	56	130	2.94	6.82
36.25- 36.75	31	74	1.63	3.88
35.75- 36.25	16	43	0.84	2.26
35.25- 35.75	10	27	0.52	1.42
34.75- 35.25	7	17	0.37	0.89
34.25- 34.75	5	10	0.26	0.52
33.75- 34.25	2	5	0.10	0.26
33.25- 33.75	3	3	0.16	0.16

*IN CENTIMETERS

(86) ANTERIOR WAIST LENGTH

Subject stands erect looking straight ahead. With a tape, measure the surface distance from the anterior neck landmark to the anterior waist landmark.



CENTIMETERS

INCHES

33.58 MEAN VALUE 13.22
 0.04 SE(MEAN) 0.02
 1.96 SD DEVIATION 0.77
 0.03 SE(SD DEV) 0.01

SYMMETRY---VETA I = 0.31
 KURTOSIS---VETA II = 3.24
 COEF. OF VARIATION = 5.8%

NUMBER OF SUBJECTS = 1905

THE PERCENTILES

CENTIMETERS

INCHES

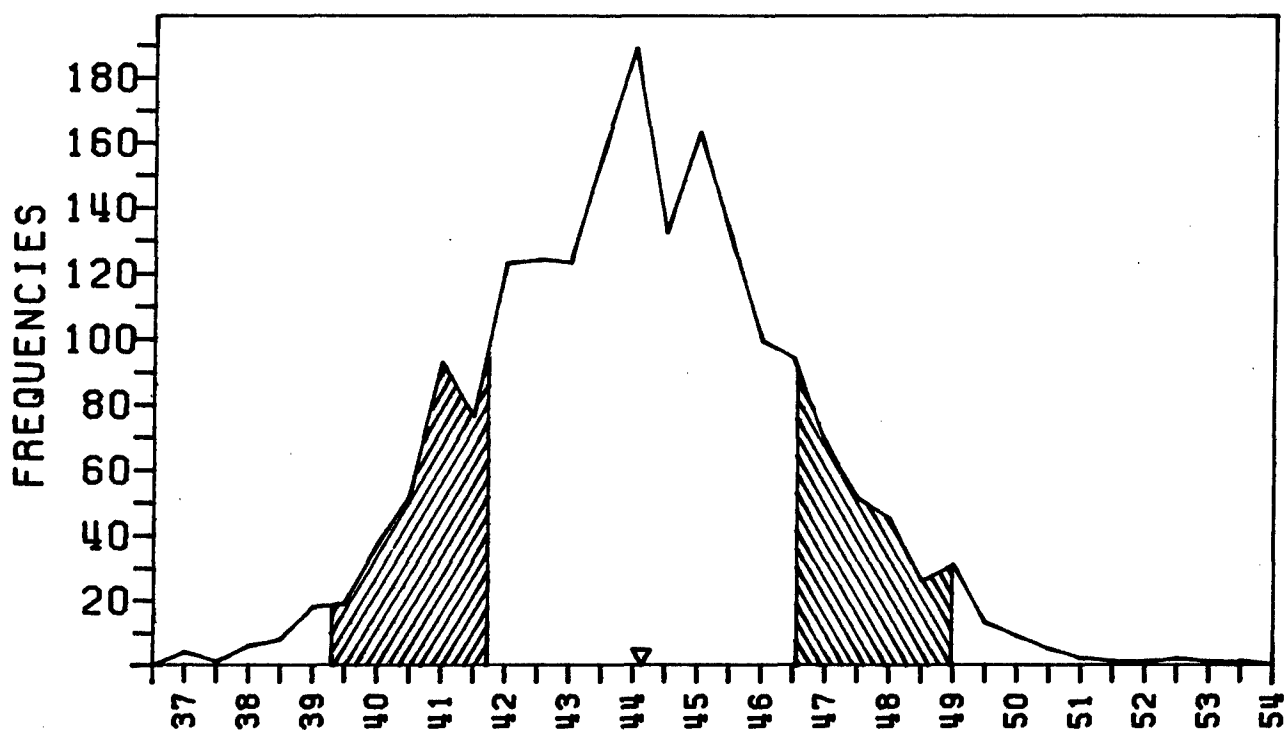
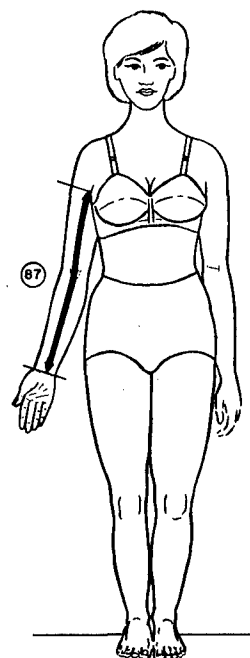
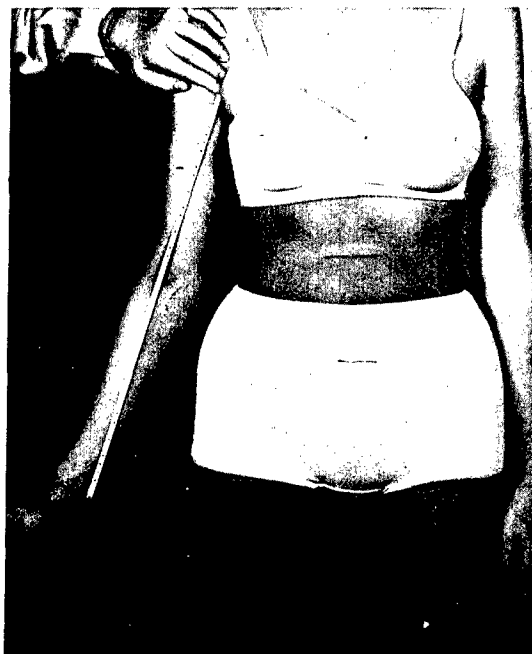
38.62	99TH	15.20
37.92	98TH	14.93
37.49	97TH	14.76
36.93	95TH	14.54
36.11	90TH	14.22
35.57	85TH	14.00
35.16	80TH	13.84
34.81	75TH	13.70
34.50	70TH	13.58
34.22	65TH	13.47
33.96	60TH	13.37
33.71	55TH	13.27
33.47	50TH	13.18
33.22	45TH	13.08
32.98	40TH	12.98
32.73	35TH	12.89
32.47	30TH	12.79
32.20	25TH	12.68
31.89	20TH	12.56
31.54	15TH	12.42
31.11	10TH	12.25
30.49	5TH	12.00
30.10	3RD	11.85
29.83	2ND	11.74
29.41	1ST	11.58

RANGES*	F	CUMF	FPCT	CUMPCT
41.25- 41.75	1	1905	0.05	100.00
40.75- 41.25	2	1904	0.10	99.95
40.25- 40.75	1	1902	0.05	99.84
39.75- 40.25	4	1901	0.21	99.79
39.25- 39.75	2	1897	0.10	99.58
38.75- 39.25	8	1895	0.42	99.48
38.25- 38.75	7	1887	0.37	99.06
37.75- 38.25	18	1880	0.94	98.69
37.25- 37.75	23	1862	1.21	97.74
36.75- 37.25	44	1839	2.31	96.54
36.25- 36.75	44	1795	2.31	94.23
35.75- 36.25	99	1751	5.20	91.92
35.25- 35.75	106	1652	5.56	86.72
34.75- 35.25	145	1546	7.61	81.15
34.25- 34.75	165	1401	8.66	73.54
33.75- 34.25	189	1236	9.92	64.88
33.25- 33.75	153	1047	8.03	54.96
32.75- 33.25	223	894	11.71	46.93
32.25- 32.75	155	671	8.14	35.22
31.75- 32.25	188	516	9.87	27.09
31.25- 31.75	106	328	5.56	17.22
30.75- 31.25	104	222	5.46	11.65
30.25- 30.75	52	118	2.73	6.19
29.75- 30.25	38	66	1.99	3.46
29.25- 29.75	11	28	0.58	1.47
28.75- 29.25	10	17	0.52	0.89
28.25- 28.75	5	7	0.26	0.37
27.75- 28.25	1	2	0.05	0.10
27.25- 27.75	1	1	0.05	0.05

*IN CENTIMETERS

(87) SLEEVE INSEAM

Subject stands, right arm slightly abducted and palm forward. With a tape, measure the distance from the right anterior, scye-point landmark to the ulnar side of the right wrist landmark. The tape is held tense and does not follow the surface contour of the arm.



RANGES*	F	CUMF	FPCT	CUMPT
53.25- 53.75	1	1905	0.05	100.00
52.75- 53.25	1	1904	0.05	99.95
52.25- 52.75	2	1903	0.10	99.90
51.75- 52.25	1	1901	0.05	99.79
51.25- 51.75	1	1900	0.05	99.74
50.75- 51.25	2	1899	0.10	99.69
50.25- 50.75	5	1897	0.26	99.58
49.75- 50.25	9	1892	0.47	99.32
49.25- 49.75	13	1883	0.68	98.85
48.75- 49.25	31	1870	1.63	98.16
48.25- 48.75	26	1839	1.36	96.54
47.75- 48.25	45	1813	2.36	95.17
47.25- 47.75	51	1768	2.68	92.81
46.75- 47.25	68	1717	3.57	90.13
46.25- 46.75	94	1649	4.93	86.56
45.75- 46.25	99	1555	5.20	81.63
45.25- 45.75	131	1456	6.88	76.43
44.75- 45.25	163	1325	8.56	69.55
44.25- 44.75	132	1162	6.93	61.00
43.75- 44.25	189	1030	9.92	54.07
43.25- 43.75	157	841	8.24	44.15
42.75- 43.25	123	684	6.46	35.91
42.25- 42.75	124	561	6.51	29.45
41.75- 42.25	123	437	6.46	22.94
41.25- 41.75	76	314	3.99	16.48
40.75- 41.25	93	238	4.88	12.49
40.25- 40.75	52	145	2.73	7.61
39.75- 40.25	37	93	1.94	4.88
39.25- 39.75	19	56	1.00	2.94
38.75- 39.25	18	37	0.94	1.94
38.25- 38.75	8	19	0.42	1.00
37.75- 38.25	6	11	0.31	0.58
37.25- 37.75	1	5	0.05	0.26
36.75- 37.25	4	4	0.21	0.21

*IN CENTIMETERS

CENTIMETERS INCHES

44.13 MEAN VALUE 17.37
0.06 SE(MEAN) 0.02
2.42 SD DEVIATION 0.95
0.04 SE(SD DEV) 0.02

SYMMETRY---VETA I = 0.16
KURTOSIS---VETA II = 3.10
COEF. OF VARIATION = 5.5%

NUMBER OF SUBJECTS = 1905

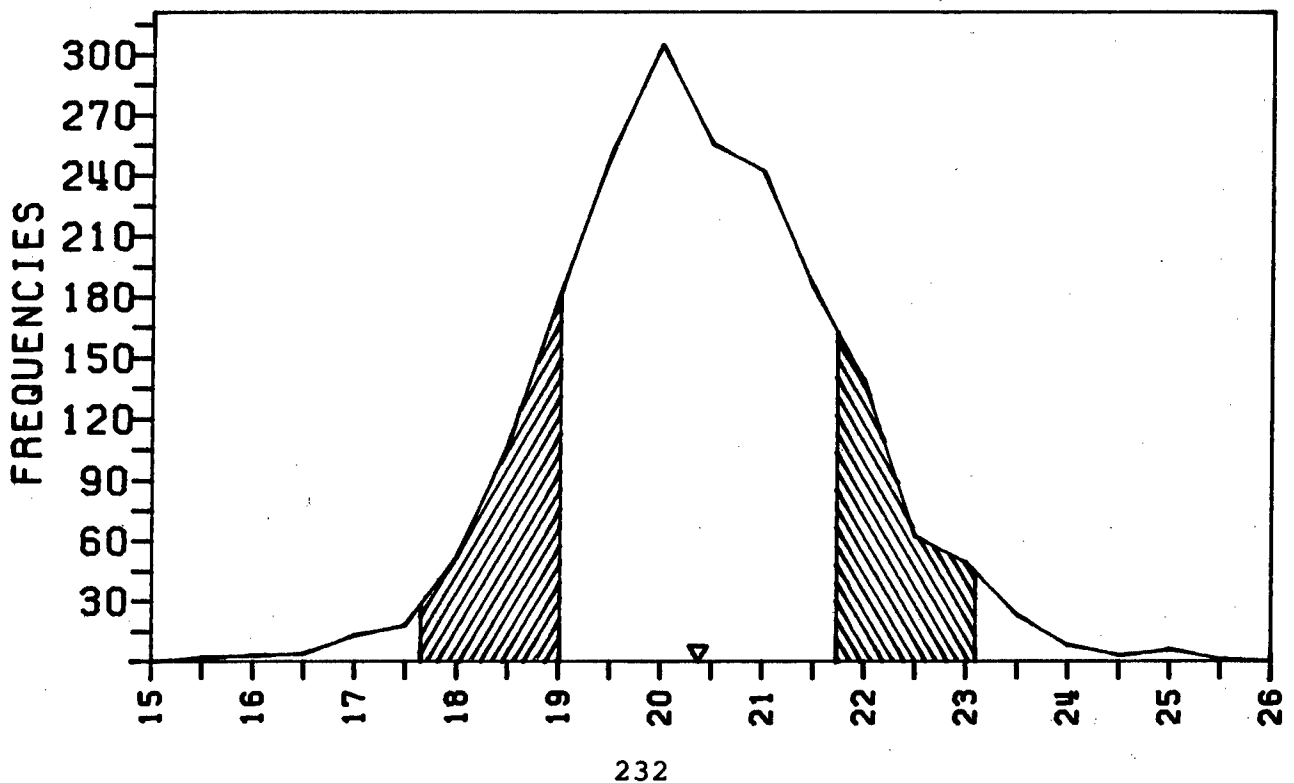
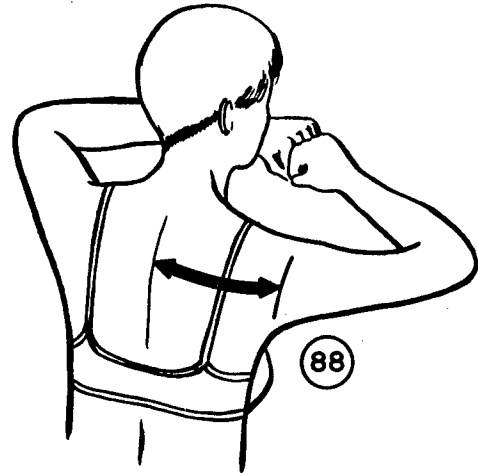
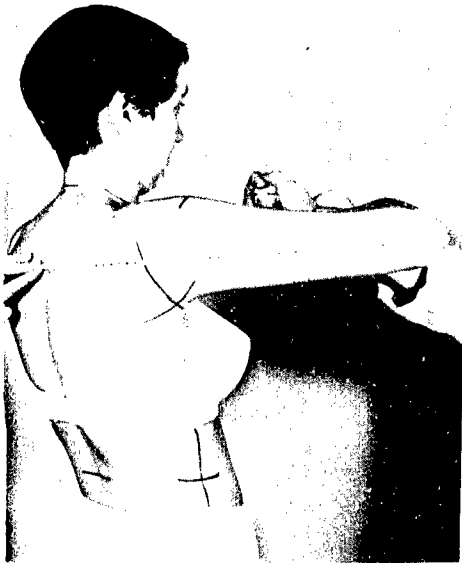
THE PERCENTILES

CENTIMETERS INCHES

49.94	99TH	19.66
49.24	98TH	19.39
48.79	97TH	19.21
48.18	95TH	18.97
47.24	90TH	18.60
46.62	85TH	18.35
46.12	80TH	18.16
45.70	75TH	17.99
45.32	70TH	17.84
44.98	65TH	17.71
44.66	60TH	17.58
44.34	55TH	17.46
44.04	50TH	17.34
43.73	45TH	17.22
43.43	40TH	17.10
43.12	35TH	16.97
42.79	30TH	16.85
42.44	25TH	16.71
42.05	20TH	16.55
41.60	15TH	16.38
41.05	10TH	16.16
40.23	5TH	15.84
39.71	3RD	15.64
39.33	2ND	15.49
38.74	1ST	15.25

(88) SPINE-TO-SCYE LENGTH (SLEEVE LENGTH SEGMENT)

Subject stands, arms horizontal, elbows flexed about 60 degrees, fists clenched and touching. A tape with its zero point on the midline of the spine is passed horizontally around the right shoulder and over the tip of the elbow to the wrist landmark. Measure the surface distance from the spine to the posterior vertical-scye landmark.



CENTIMETERS INCHES

20.37 MEAN VALUE 8.02
 0.03 SE(MEAN) 0.01
 1.36 SD DEVIATION 0.53
 0.02 SE(SD DEV) 0.01

SYMMETRY---VETA I = 0.16
 KURTOSIS---VETA II = 3.43
 COEF. OF VARIATION = 6.7%

NUMBER OF SUBJECTS = 1905

THE PERCENTILES

CENTIMETERS INCHES

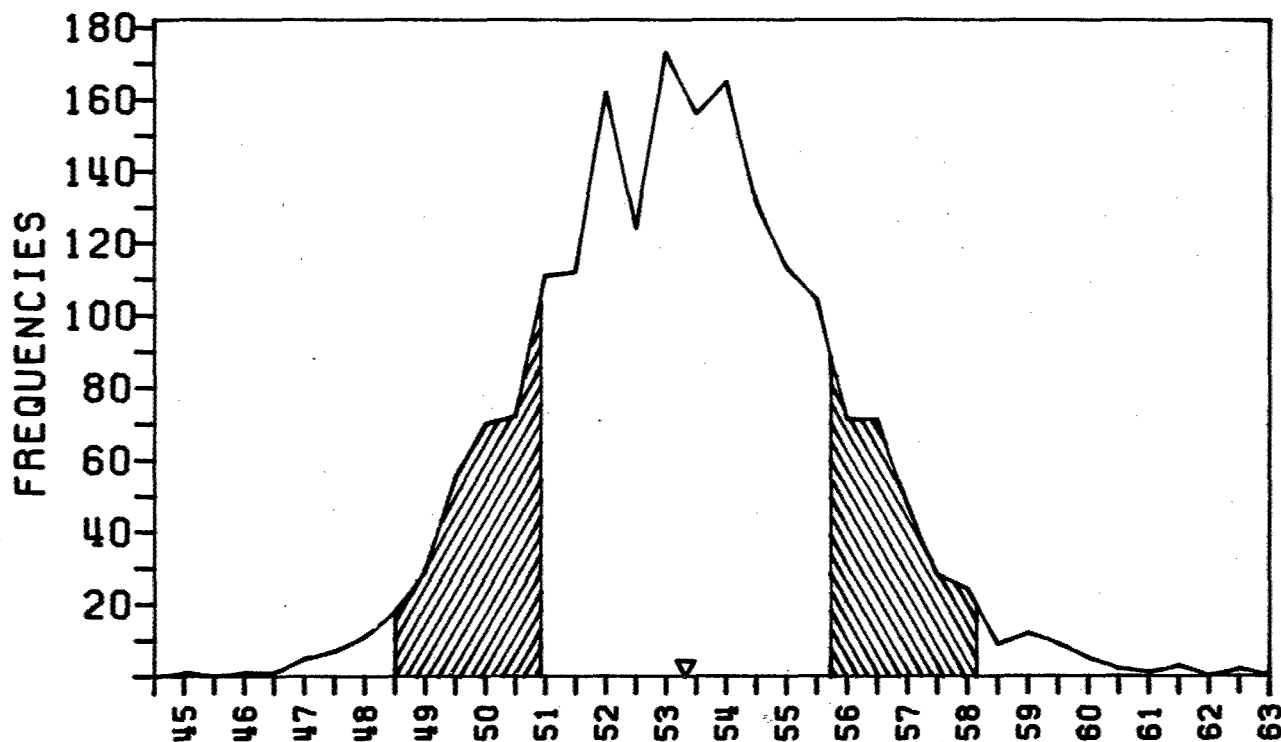
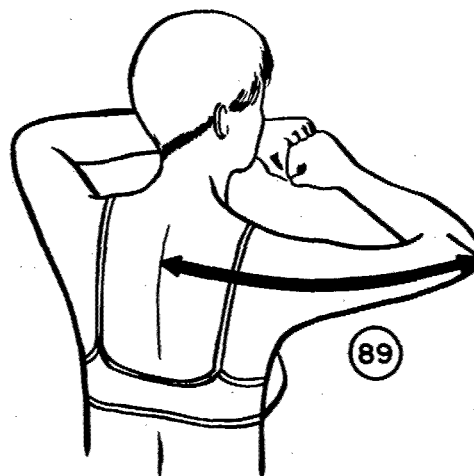
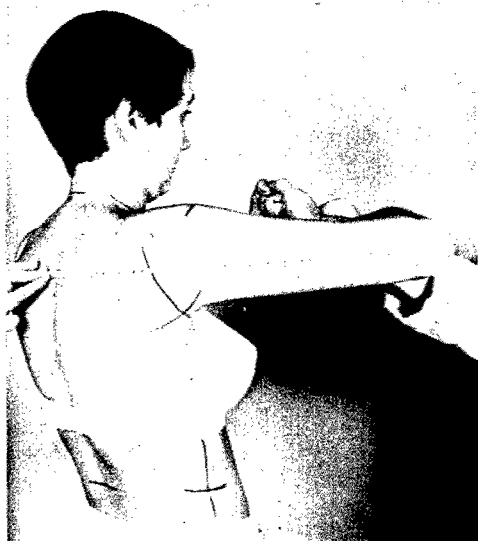
23.71	99TH	9.34
23.33	98TH	9.18
23.07	97TH	9.08
22.71	95TH	8.94
22.15	90TH	8.72
21.78	85TH	8.57
21.48	80TH	8.46
21.24	75TH	8.36
21.02	70TH	8.28
20.82	65TH	8.20
20.64	60TH	8.13
20.47	55TH	8.06
20.30	50TH	7.99
20.14	45TH	7.93
19.98	40TH	7.86
19.81	35TH	7.80
19.64	30TH	7.73
19.46	25TH	7.66
19.25	20TH	7.58
19.02	15TH	7.49
18.72	10TH	7.37
18.25	5TH	7.18
17.91	3RD	7.05
17.64	2ND	6.95
17.18	1ST	6.76

RANGES*	F	CUMF	FPCT	CUMPT
25.25- 25.75	1	1905	0.05	100.00
24.75- 25.25	6	1904	0.31	99.95
24.25- 24.75	3	1898	0.16	99.63
23.75- 24.25	8	1895	0.42	99.48
23.25- 23.75	23	1887	1.21	99.06
22.75- 23.25	49	1864	2.57	97.85
22.25- 22.75	62	1815	3.25	95.28
21.75- 22.25	138	1753	7.24	92.02
21.25- 21.75	184	1615	9.66	84.78
20.75- 21.25	242	1431	12.70	75.12
20.25- 20.75	255	1189	13.39	62.41
19.75- 20.25	305	934	16.01	49.03
19.25- 19.75	250	629	13.12	33.02
18.75- 19.25	180	379	9.45	19.90
18.25- 18.75	107	199	5.62	10.45
17.75- 18.25	52	92	2.73	4.83
17.25- 17.75	18	40	0.94	2.10
16.75- 17.25	13	22	0.68	1.15
16.25- 16.75	4	9	0.21	0.47
15.75- 16.25	3	5	0.16	0.26
15.25- 15.75	2	2	0.10	0.10

*IN CENTIMETERS

(89) SPINE-TO-ELBOW LENGTH (SLEEVE LENGTH SEGMENT)

Subject stands, arms horizontal, elbows flexed about 60 degrees, and fists clenched and touching. A tape with its zero point on the midline of the spine is passed horizontally around the right shoulder and over the tip of the elbow to the wrist landmark. Measure the surface distance from the spine to the tip of the elbow.



RANGES*	F	CUMF	FPCT	CUMPC
62.25- 62.75	2	1905	0.10	100.00
61.75- 62.25	0	1903	0.00	99.90
61.25- 61.75	3	1903	0.16	99.90
60.75- 61.25	1	1900	0.05	99.74
60.25- 60.75	2	1899	0.10	99.69
59.75- 60.25	5	1897	0.26	99.58
59.25- 59.75	9	1892	0.47	99.32
58.75- 59.25	12	1883	0.63	98.85
58.25- 58.75	9	1871	0.47	98.22
57.75- 58.25	24	1862	1.26	97.74
57.25- 57.75	28	1838	1.47	96.48
56.75- 57.25	47	1810	2.47	95.01
56.25- 56.75	71	1763	3.73	92.55
55.75- 56.25	71	1692	3.73	88.82
55.25- 55.75	104	1621	5.46	85.09
54.75- 55.25	113	1517	5.93	79.63
54.25- 54.75	131	1404	6.88	73.70
53.75- 54.25	165	1273	8.66	66.82
53.25- 53.75	156	1108	8.19	58.16
52.75- 53.25	173	952	9.08	49.97
52.25- 52.75	124	779	6.51	40.89
51.75- 52.25	162	655	8.50	34.38
51.25- 51.75	112	493	5.88	25.88
50.75- 51.25	111	381	5.83	20.00
50.25- 50.75	72	270	3.78	14.17
49.75- 50.25	70	198	3.67	10.39
49.25- 49.75	55	128	2.89	6.72
48.75- 49.25	29	73	1.52	3.83
48.25- 48.75	18	44	0.94	2.31
47.75- 48.25	11	26	0.58	1.36
47.25- 47.75	7	15	0.37	0.79
46.75- 47.25	5	8	0.26	0.42
46.25- 46.75	1	3	0.05	0.16
45.75- 46.25	1	2	0.05	0.10
45.25- 45.75	0	1	0.00	0.05
44.75- 45.25	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS INCHES

53.32 MEAN VALUE 20.99
0.06 SE(MEAN) 0.02
2.41 SD DEVIATION 0.95
0.04 SE(SD DEV) 0.02

SYMMETRY---VETA I = 0.18
KURTOSIS---VETA II = 3.22
COEF. OF VARIATION = 4.5%

NUMBER OF SUBJECTS = 1905

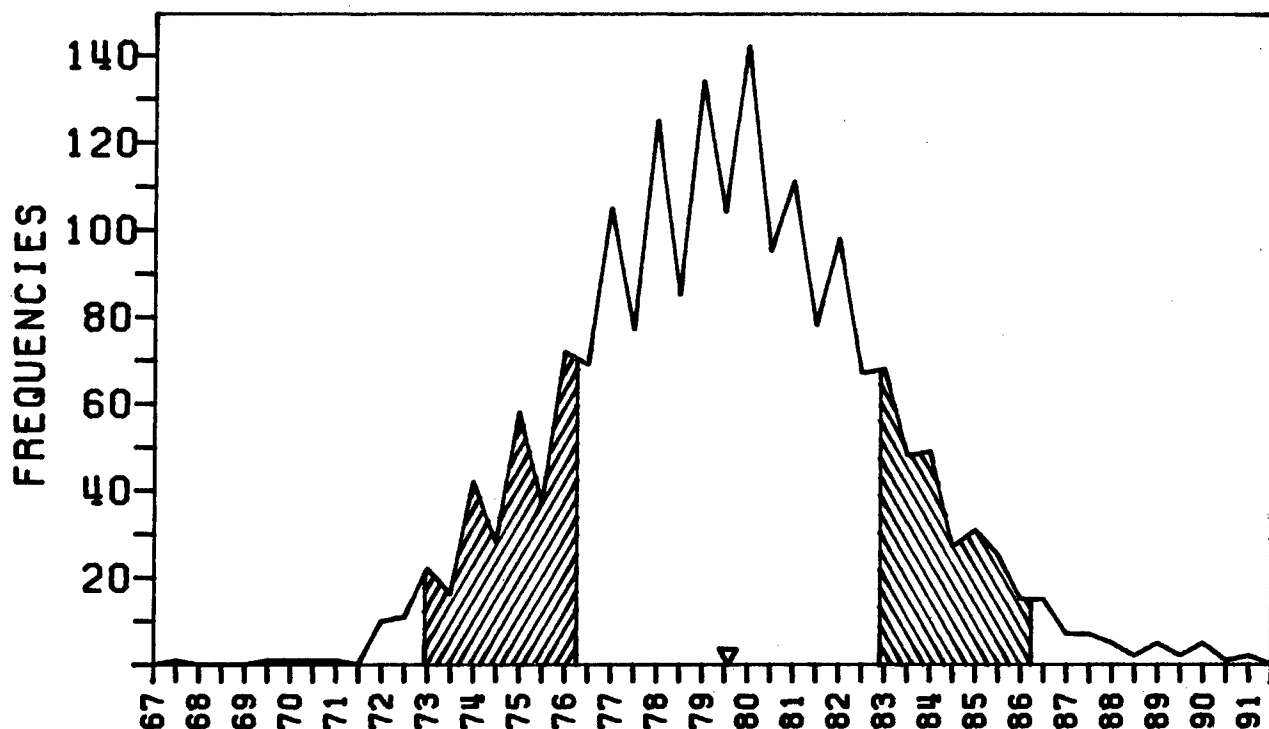
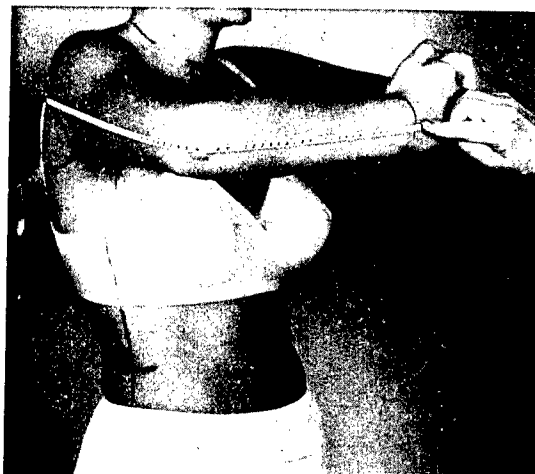
THE PERCENTILES

CENTIMETERS INCHES

59.38	99TH	23.38
58.51	98TH	23.04
57.99	97TH	22.83
57.32	95TH	22.57
56.36	90TH	22.19
55.73	85TH	21.94
55.25	80TH	21.75
54.85	75TH	21.59
54.49	70TH	21.45
54.16	65TH	21.32
53.85	60TH	21.20
53.55	55TH	21.08
53.25	50TH	20.96
52.95	45TH	20.85
52.65	40TH	20.73
52.35	35TH	20.61
52.02	30TH	20.48
51.67	25TH	20.34
51.27	20TH	20.19
50.82	15TH	20.01
50.25	10TH	19.79
49.43	5TH	19.46
48.91	3RD	19.26
48.54	2ND	19.11
47.99	1ST	18.90

(90) SPINE-TO-WRIST LENGTH (SLEEVE LENGTH)

Subject stands, arms horizontal, elbow flexed about 60 degrees, and fists clenched and touching. A tape with its zero point on the midline of the spine is passed horizontally around the right shoulder and over the tip of the elbow to the wrist landmark. Measure the surface distance from the spine to the wrist landmark.



RANGES*	F	CUMF	FPCT	CUMPCT
90.75- 91.25	2	1905	0.10	100.00
90.25- 90.75	1	1903	0.05	99.90
89.75- 90.25	5	1902	0.26	99.84
89.25- 89.75	2	1897	0.10	99.58
88.75- 89.25	5	1895	0.26	99.48
88.25- 88.75	2	1890	0.10	99.21
87.75- 88.25	5	1888	0.26	99.11
87.25- 87.75	7	1883	0.37	98.85
86.75- 87.25	7	1876	0.37	98.48
86.25- 86.75	15	1869	0.79	98.11
85.75- 86.25	15	1854	0.79	97.32
85.25- 85.75	25	1839	1.31	96.54
84.75- 85.25	31	1814	1.63	95.22
84.25- 84.75	27	1783	1.42	93.60
83.75- 84.25	49	1756	2.57	92.18
83.25- 83.75	48	1707	2.52	89.61
82.75- 83.25	68	1659	3.57	87.09
82.25- 82.75	67	1591	3.52	83.52
81.75- 82.25	98	1524	5.14	80.00
81.25- 81.75	78	1426	4.09	74.86
80.75- 81.25	111	1348	5.83	70.76
80.25- 80.75	95	1237	4.99	64.93
79.75- 80.25	142	1142	7.45	59.95
79.25- 79.75	104	1000	5.46	52.49
78.75- 79.25	134	896	7.03	47.03
78.25- 78.75	85	762	4.46	40.00
77.75- 78.25	125	677	6.56	35.54
77.25- 77.75	77	552	4.04	28.98
76.75- 77.25	105	475	5.51	24.93
76.25- 76.75	69	370	3.62	19.42
75.75- 76.25	72	301	3.78	15.80
75.25- 75.75	37	229	1.94	12.02
74.75- 75.25	58	192	3.04	10.08
74.25- 74.75	28	134	1.47	7.03
73.75- 74.25	42	106	2.20	5.56
73.25- 73.75	16	64	0.84	3.36
72.75- 73.25	22	48	1.15	2.52
72.25- 72.75	11	26	0.58	1.36
71.75- 72.25	10	15	0.52	0.79
71.25- 71.75	0	5	0.00	0.26
70.75- 71.25	1	5	0.05	0.26
70.25- 70.75	1	4	0.05	0.21
69.75- 70.25	1	3	0.05	0.16
69.25- 69.75	1	2	0.05	0.10
68.75- 69.25	0	1	0.00	0.05
68.25- 68.75	0	1	0.00	0.05
67.75- 68.25	0	1	0.00	0.05
67.25- 67.75	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS INCHES

79.58	MEAN VALUE	31.33
0.08	SE(MEAN)	0.03
3.32	SD DEVIATION	1.31
0.05	SE(SD DEV)	0.02

SYMMETRY---VETA I = 0.19
KURTOSIS---VETA II = 3.16
COEF. OF VARIATION = 4.2%

NUMBER OF SUBJECTS = 1905

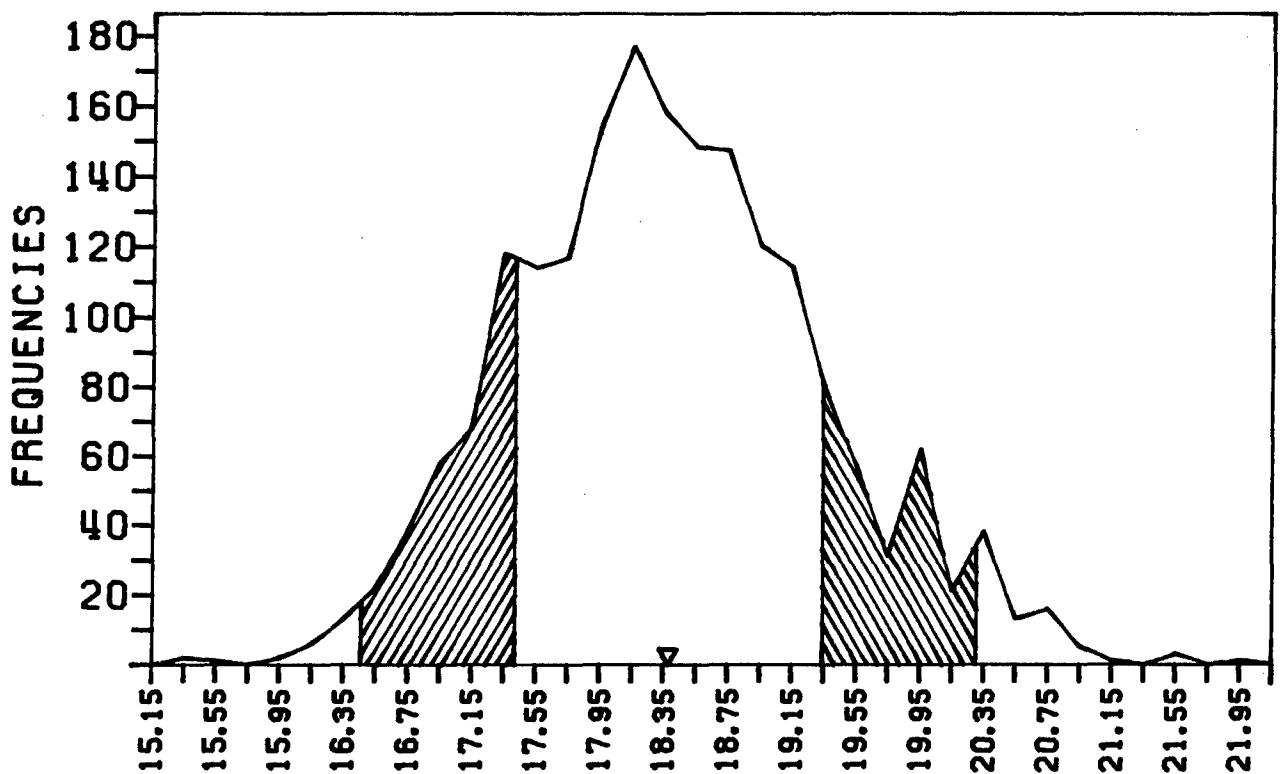
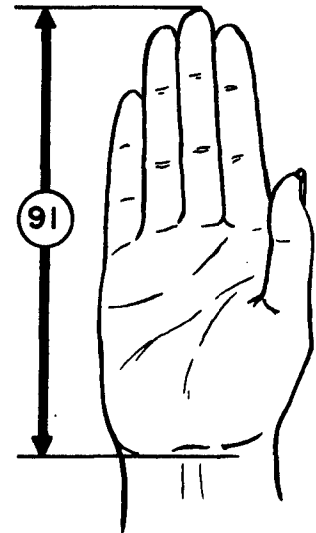
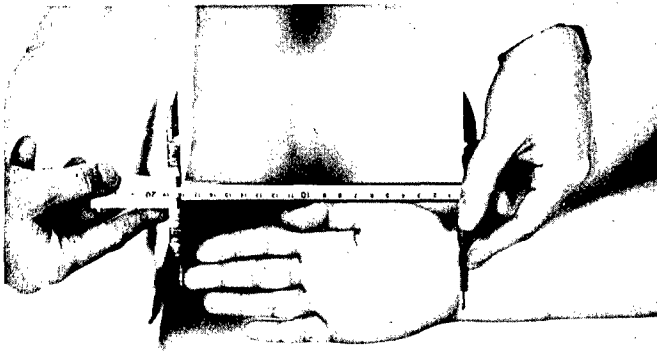
THE PERCENTILES

CENTIMETERS INCHES

88.02	99TH	34.65
86.77	98TH	34.16
86.04	97TH	33.87
85.11	95TH	33.51
83.79	90TH	32.99
82.94	85TH	32.65
82.28	80TH	32.40
81.73	75TH	32.18
81.23	70TH	31.98
80.78	65TH	31.80
80.35	60TH	31.63
79.93	55TH	31.47
79.51	50TH	31.30
79.10	45TH	31.14
78.68	40TH	30.98
78.24	35TH	30.80
77.78	30TH	30.62
77.29	25TH	30.43
76.73	20TH	30.21
76.09	15TH	29.96
75.30	10TH	29.65
74.18	5TH	29.20
73.51	3RD	28.94
73.05	2ND	28.76
72.41	1ST	28.51

(91) HAND LENGTH

Subject sits, right forearm and hand raised with palm up. The fingers are together and straight but not hyper-extended. With the bar of a sliding caliper parallel to the long axis of the hand, measure the distance from the wrist landmark to dactyion.



RANGES*	F	CUMF	FPCT	CUMPT
21.85- 22.05	1	1905	0.05	100.00
21.65- 21.85	0	1904	0.00	99.95
21.45- 21.65	3	1904	0.16	99.95
21.25- 21.45	0	1901	0.00	99.79
21.05- 21.25	1	1901	0.05	99.79
20.85- 21.05	5	1900	0.26	99.74
20.65- 20.85	16	1895	0.84	99.48
20.45- 20.65	13	1879	0.68	98.64
20.25- 20.45	38	1866	1.99	97.95
20.05- 20.25	21	1828	1.10	95.96
19.85- 20.05	62	1807	3.25	94.86
19.65- 19.85	31	1745	1.63	91.60
19.45- 19.65	57	1714	2.99	89.97
19.25- 19.45	80	1657	4.20	86.98
19.05- 19.25	114	1577	5.98	82.78
18.85- 19.05	120	1463	6.30	76.80
18.65- 18.85	147	1343	7.72	70.50
18.45- 18.65	148	1196	7.77	62.78
18.25- 18.45	158	1048	8.29	55.01
18.05- 18.25	177	890	9.29	46.72
17.85- 18.05	154	713	8.08	37.43
17.65- 17.85	117	559	6.14	29.34
17.45- 17.65	114	442	5.98	23.20
17.25- 17.45	118	328	6.19	17.22
17.05- 17.25	68	210	3.57	11.02
16.85- 17.05	58	142	3.04	7.45
16.65- 16.85	38	84	1.99	4.41
16.45- 16.65	22	46	1.15	2.41
16.25- 16.45	13	24	0.68	1.26
16.05- 16.25	6	11	0.31	0.58
15.85- 16.05	2	5	0.10	0.26
15.65- 15.85	0	3	0.00	0.16
15.45- 15.65	1	3	0.05	0.16
15.25- 15.45	2	2	0.10	0.10

*IN CENTIMETERS

CENTIMETERS INCHES

18.38 MEAN VALUE 7.24
0.02 SE(MEAN) 0.01
0.96 SD DEVIATION 0.38
0.02 SE(SD DEV) 0.01

SYMMETRY---VETA I = 0.25
KURTOSIS---VETA II = 3.01
COEF. OF VARIATION = 5.2%

NUMBER OF SUBJECTS = 1905

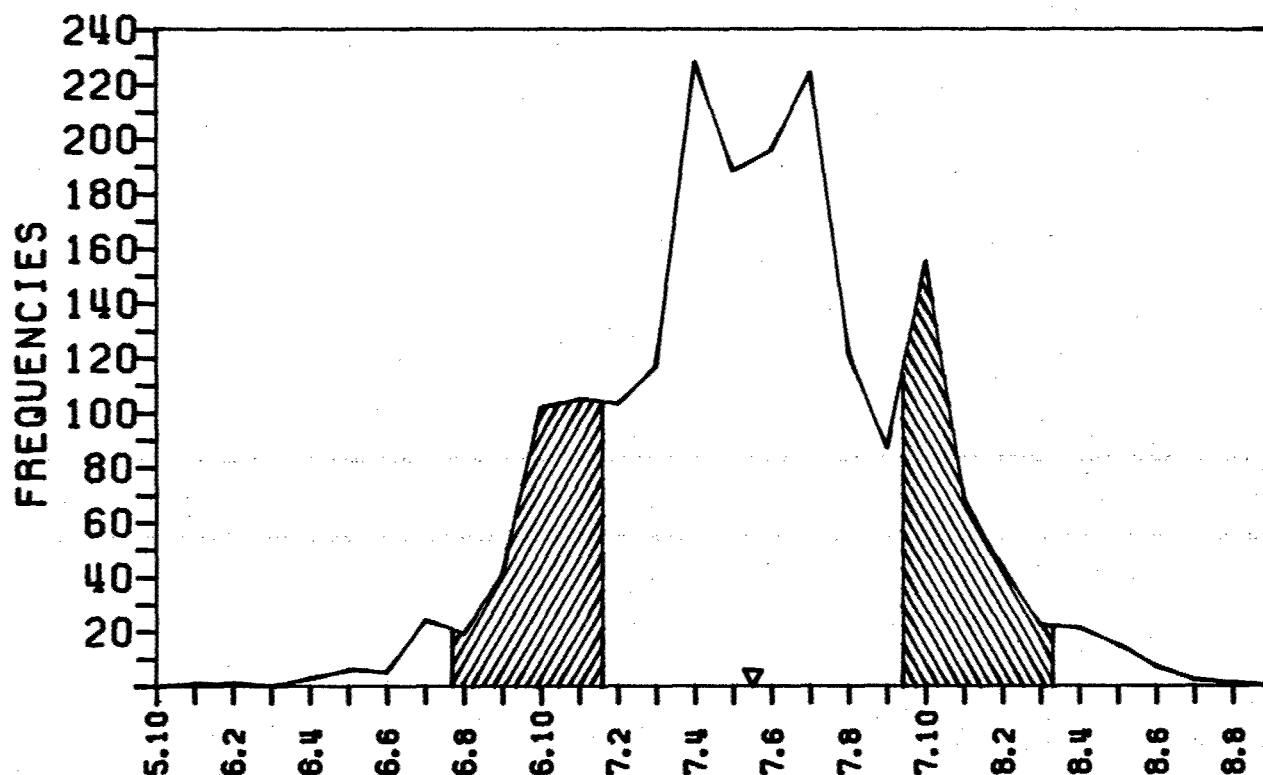
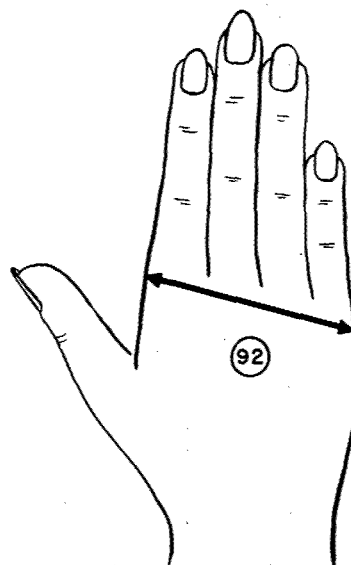
THE PERCENTILES

CENTIMETERS INCHES

20.76	99TH	8.17
20.48	98TH	8.06
20.30	97TH	7.99
20.05	95TH	7.89
19.65	90TH	7.74
19.39	85TH	7.63
19.18	80TH	7.55
19.01	75TH	7.48
18.85	70TH	7.42
18.71	65TH	7.37
18.58	60TH	7.31
18.45	55TH	7.26
18.33	50TH	7.22
18.21	45TH	7.17
18.09	40TH	7.12
17.96	35TH	7.07
17.84	30TH	7.02
17.71	25TH	6.97
17.56	20TH	6.91
17.40	15TH	6.85
17.19	10TH	6.77
16.90	5TH	6.65
16.72	3RD	6.58
16.58	2ND	6.53
16.36	1ST	6.44

(92) HAND BREADTH

Subject sits, right forearm and hand raised with palm down. The fingers are together and straight but not hyper-extended. With a sliding caliper, measure the breadth of the hand between metacarpal-phalangeal joints II and V.



CENTIMETERS

INCHES

7.55 MEAN VALUE 2.97
 0.01 SE(MEAN) 0.00
 0.39 SD DEVIATION 0.15
 0.01 SE(SD DEV) 0.00

SYMMETRY---VETA I = -0.01
 KURTOSIS---VETA II = 3.03
 COEF. OF VARIATION = 5.1%

NUMBER OF SUBJECTS = 1905

THE PERCENTILES

CENTIMETERS

INCHES

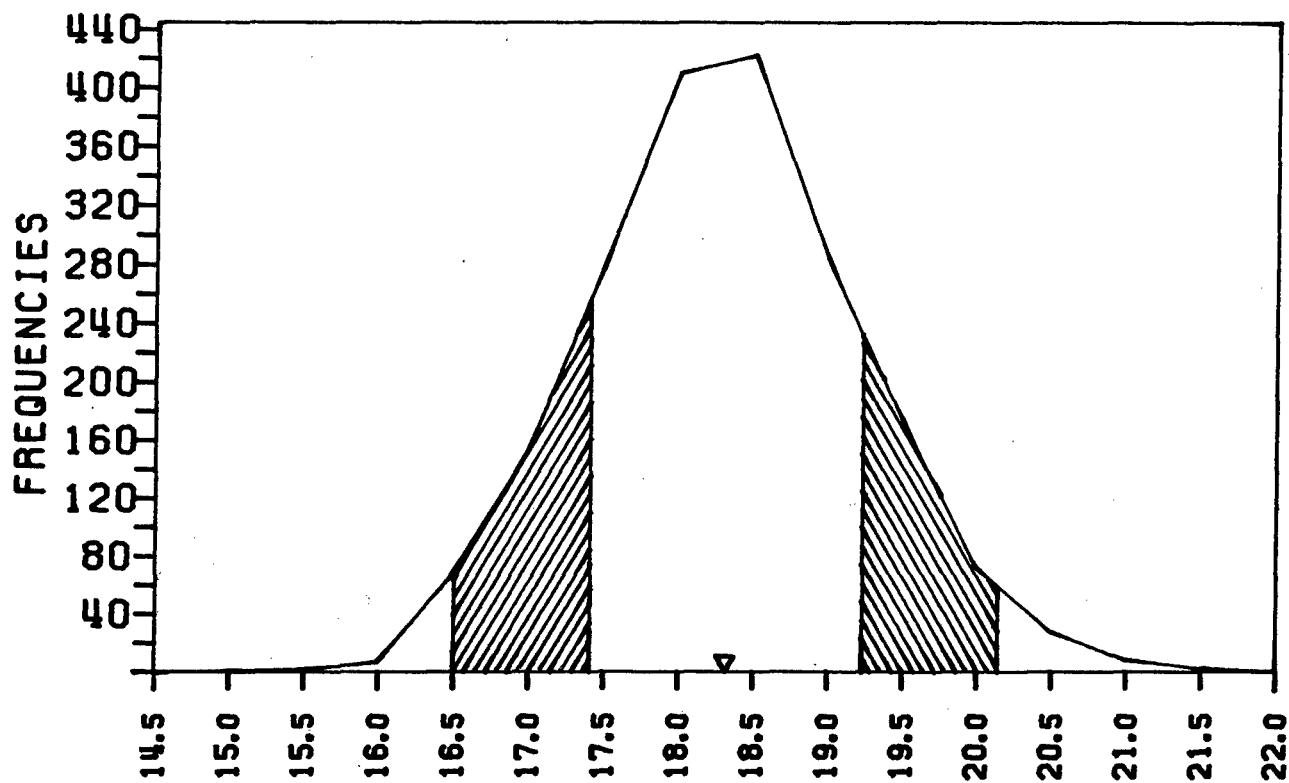
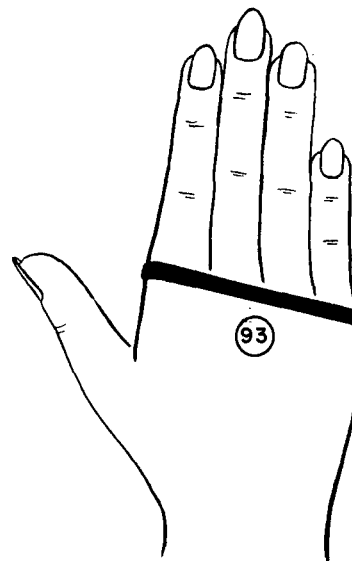
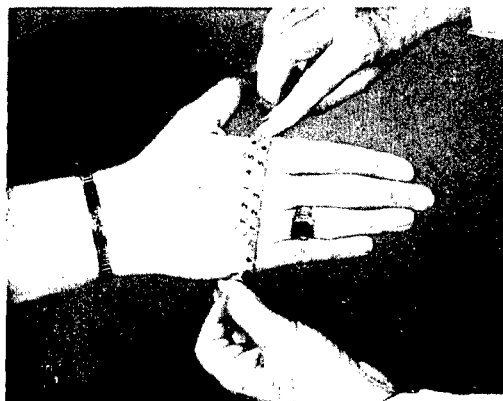
8.49	99TH	3.34
8.37	98TH	3.30
8.30	97TH	3.27
8.20	95TH	3.23
8.05	90TH	3.17
7.96	85TH	3.13
7.88	80TH	3.10
7.81	75TH	3.08
7.76	70TH	3.05
7.70	65TH	3.03
7.65	60TH	3.01
7.60	55TH	2.99
7.55	50TH	2.97
7.51	45TH	2.95
7.46	40TH	2.94
7.40	35TH	2.92
7.35	30TH	2.89
7.29	25TH	2.87
7.23	20TH	2.85
7.15	15TH	2.82
7.06	10TH	2.78
6.92	5TH	2.72
6.83	3RD	2.69
6.76	2ND	2.66
6.66	1ST	2.62

RANGES*	F	CUMF	FPCT	CUMPT
8.75-	8.85	1	1905	0.05 100.00
8.65-	8.75	2	1904	0.10 99.95
8.55-	8.65	7	1902	0.37 99.84
8.45-	8.55	15	1895	0.79 99.48
8.35-	8.45	21	1880	1.10 98.69
8.25-	8.35	22	1859	1.15 97.59
8.15-	8.25	43	1837	2.26 96.43
8.05-	8.15	68	1794	3.57 94.17
7.95-	8.05	155	1726	8.14 90.60
7.85-	7.95	87	1571	4.57 82.47
7.75-	7.85	121	1484	6.35 77.90
7.65-	7.75	224	1363	11.76 71.55
7.55-	7.65	196	1139	10.29 59.79
7.45-	7.55	188	943	9.87 49.50
7.35-	7.45	228	755	11.97 39.63
7.25-	7.35	117	527	6.14 27.66
7.15-	7.25	103	410	5.41 21.52
7.05-	7.15	105	307	5.51 16.12
6.95-	7.05	102	202	5.35 10.60
6.85-	6.95	41	100	2.15 5.25
6.75-	6.85	19	59	1.00 3.10
6.65-	6.75	24	40	1.26 2.10
6.55-	6.65	5	16	0.26 0.84
6.45-	6.55	6	11	0.31 0.58
6.35-	6.45	3	5	0.16 0.26
6.25-	6.35	0	2	0.00 0.10
6.15-	6.25	1	2	0.05 0.10
6.05-	6.15	1	1	0.05 0.05

*IN CENTIMETERS

(93) HAND CIRCUMFERENCE

Subject stands with right hand and fingers extended and thumb abducted. With a tape passing over metacarpal-phalangeal joints II and V, measure the circumference of the hand.



CENTIMETERS		INCHES
18.32	MEAN VALUE	7.21
0.02	SE(MEAN)	0.01
0.91	SD DEVIATION	0.36
0.01	SE(SD DEV)	0.01

SYMMETRY---VETA I = 0.15
 KURTOSIS---VETA II = 2.99
 COEF. OF VARIATION = 4.9%

NUMBER OF SUBJECTS = 1905

THE PERCENTILES

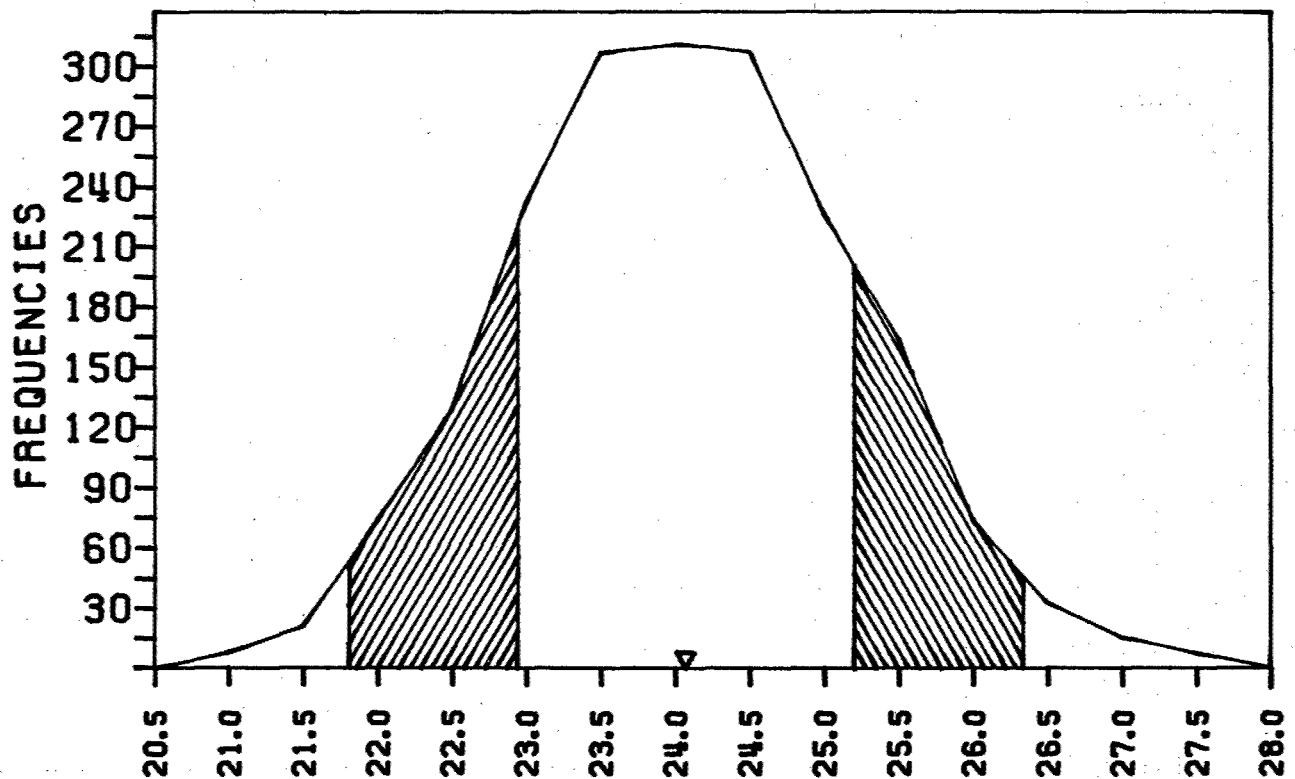
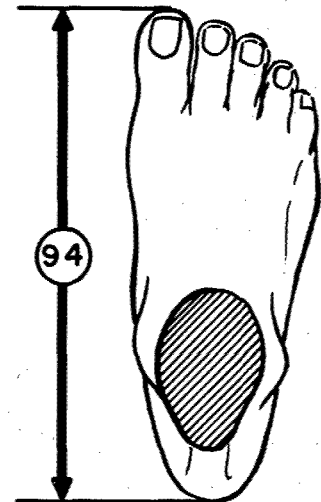
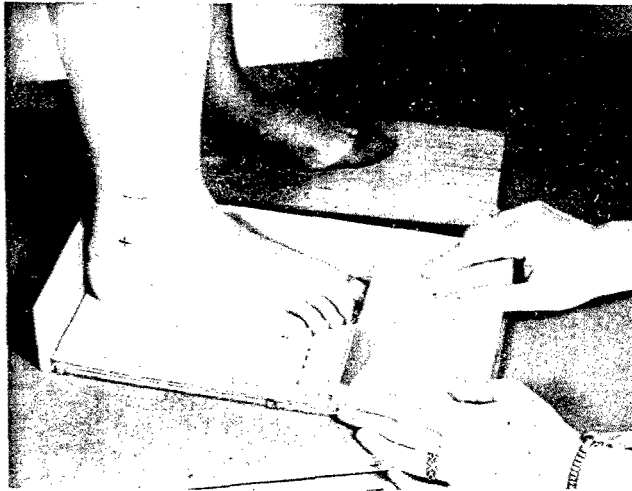
CENTIMETERS		INCHES
20.58	99TH	8.10
20.27	98TH	7.98
20.08	97TH	7.91
19.84	95TH	7.81
19.48	90TH	7.67
19.25	85TH	7.58
19.07	80TH	7.51
18.91	75TH	7.45
18.77	70TH	7.39
18.64	65TH	7.34
18.52	60TH	7.29
18.41	55TH	7.25
18.29	50TH	7.20
18.17	45TH	7.16
18.06	40TH	7.11
17.94	35TH	7.06
17.81	30TH	7.01
17.67	25TH	6.96
17.52	20TH	6.90
17.34	15TH	6.83
17.12	10TH	6.74
16.81	5TH	6.62
16.62	3RD	6.54
16.48	2ND	6.49
16.29	1ST	6.41

RANGES*	F	CUMF	FPCT	CUMPT
21.25- 21.75	2	1905	0.10	100.00
20.75- 21.25	8	1903	0.42	99.90
20.25- 20.75	27	1895	1.42	99.48
19.75- 20.25	71	1868	3.73	98.06
19.25- 19.75	173	1797	9.08	94.33
18.75- 19.25	283	1624	14.86	85.25
18.25- 18.75	422	1341	22.15	70.39
17.75- 18.25	410	919	21.52	48.24
17.25- 17.75	278	509	14.59	26.72
16.75- 17.25	153	231	8.03	12.13
16.25- 16.75	68	78	3.57	4.09
15.75- 16.25	7	10	0.37	0.52
15.25- 15.75	2	3	0.10	0.16
14.75- 15.25	1	1	0.05	0.05

*IN CENTIMETERS

(94) FOOT LENGTH

Subject stands erect, right foot in the measuring box, left foot on a board of equal height, and weight distributed equally. The right foot is positioned so that its long axis is parallel to the side of the box, the heel touches the rear of the box and the medial metatarsal-phalangeal joint touches the side of the box. With the measuring block touching the tip of the most protruding toe, measure on the scale of the box the length of the foot.



CENTIMETERS INCHES

24.07 MEAN VALUE 9.48
0.03 SE(MEAN) 0.01
1.13 SD DEVIATION 0.44
0.02 SE(SD DEV) 0.01

SYMMETRY---VETA I = 0.12
KURTOSIS---VETA II = 2.86
COEF. OF VARIATION = 4.7%

NUMBER OF SUBJECTS = 1905

THE PERCENTILES

CENTIMETERS		INCHES
26.83	99TH	10.56
26.49	98TH	10.43
26.27	97TH	10.34
25.98	95TH	10.23
25.55	90TH	10.06
25.26	85TH	9.94
25.03	80TH	9.85
24.83	75TH	9.78
24.66	70TH	9.71
24.49	65TH	9.64
24.34	60TH	9.58
24.19	55TH	9.52
24.05	50TH	9.47
23.90	45TH	9.41
23.75	40TH	9.35
23.60	35TH	9.29
23.44	30TH	9.23
23.27	25TH	9.16
23.07	20TH	9.08
22.86	15TH	9.00
22.58	10TH	8.89
22.19	5TH	8.74
21.95	3RD	8.64
21.78	2ND	8.58
21.53	1ST	8.48

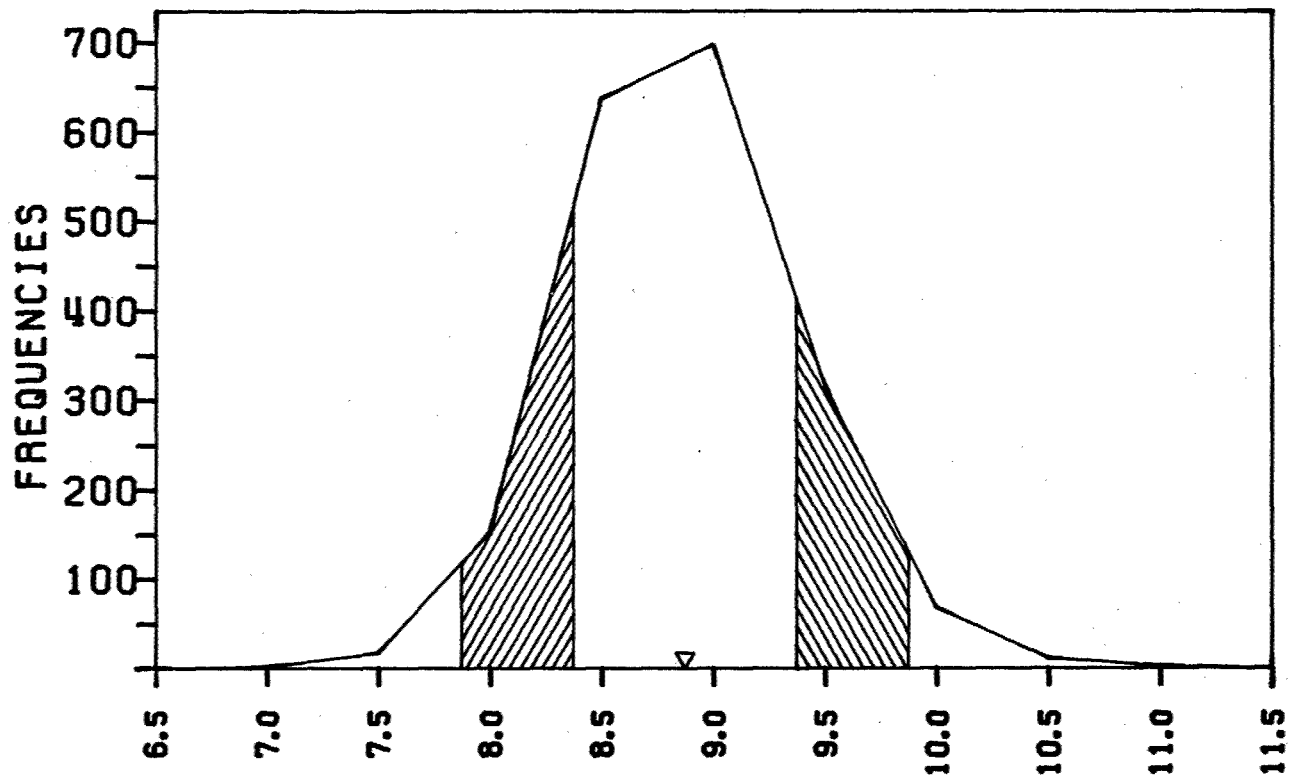
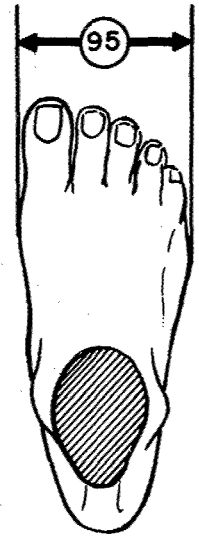
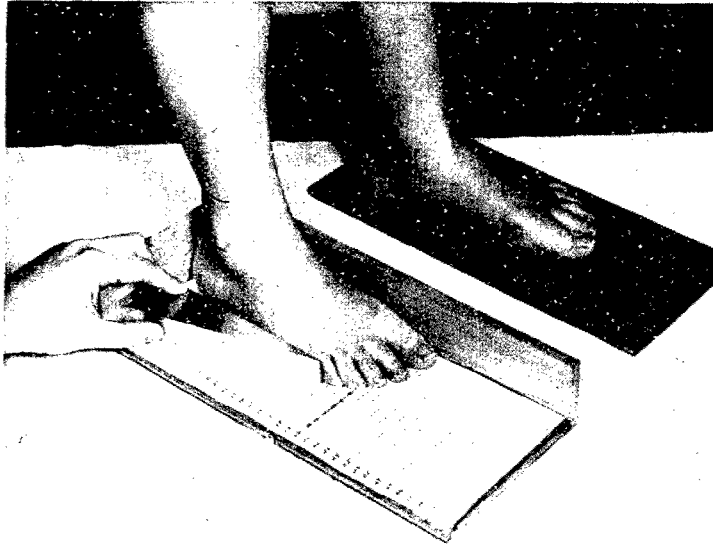
RANGES* F CUMF FPCT CUMFCT

27.25- 27.75	7	1905	0.37	100.00
26.75- 27.25	15	1898	0.79	99.63
26.25- 26.75	32	1883	1.68	98.85
25.75- 26.25	73	1851	3.83	97.17
25.25- 25.75	163	1778	8.56	93.33
24.75- 25.25	226	1615	11.86	84.78
24.25- 24.75	307	1389	16.12	72.91
23.75- 24.25	311	1082	16.33	56.80
23.25- 23.75	307	771	16.12	40.47
22.75- 23.25	232	464	12.18	24.36
22.25- 22.75	129	232	6.77	12.18
21.75- 22.25	74	103	3.88	5.41
21.25- 21.75	21	29	1.10	1.52
20.75- 21.25	8	8	0.42	0.42

*IN CENTIMETERS

(95) FOOT BREADTH

Subject stands erect, right foot in the measuring box, left foot on a board of equal height, and weight distributed equally. The right foot is positioned so that its long axis is parallel to the side of the box, the heel touches the rear of the box, and the medial metatarsal-phalangeal joint touches the side of the box. With the measuring block touching the widest part of the foot, measure on the scale of the box the breadth of the foot.



CENTIMETERS

INCHES

8.87	MEAN VALUE	3.49
0.01	SE(MEAN)	0.00
0.50	SD DEVIATION	0.20
0.01	SE(SD DEV)	0.00

SYMMETRY---	VETA I =	0.26
KURTOSIS---	VETA II =	3.54
COEF. OF VARIATION =		5.6%

NUMBER OF SUBJECTS = 1905

RANGES*	F	CUMF	FPCT	CUMPCT
10.75- 11.25	2	1905	0.10	100.00
10.25- 10.75	11	1903	0.58	99.90
9.75- 10.25	67	1892	3.52	99.32
9.25- 9.75	315	1825	16.54	95.80
8.75- 9.25	698	1510	36.64	79.27
8.25- 8.75	638	812	33.49	42.62
7.75- 8.25	154	174	8.08	9.13
7.25- 7.75	18	20	0.94	1.05
6.75- 7.25	2	2	0.10	0.10

THE PERCENTILES

CENTIMETERS

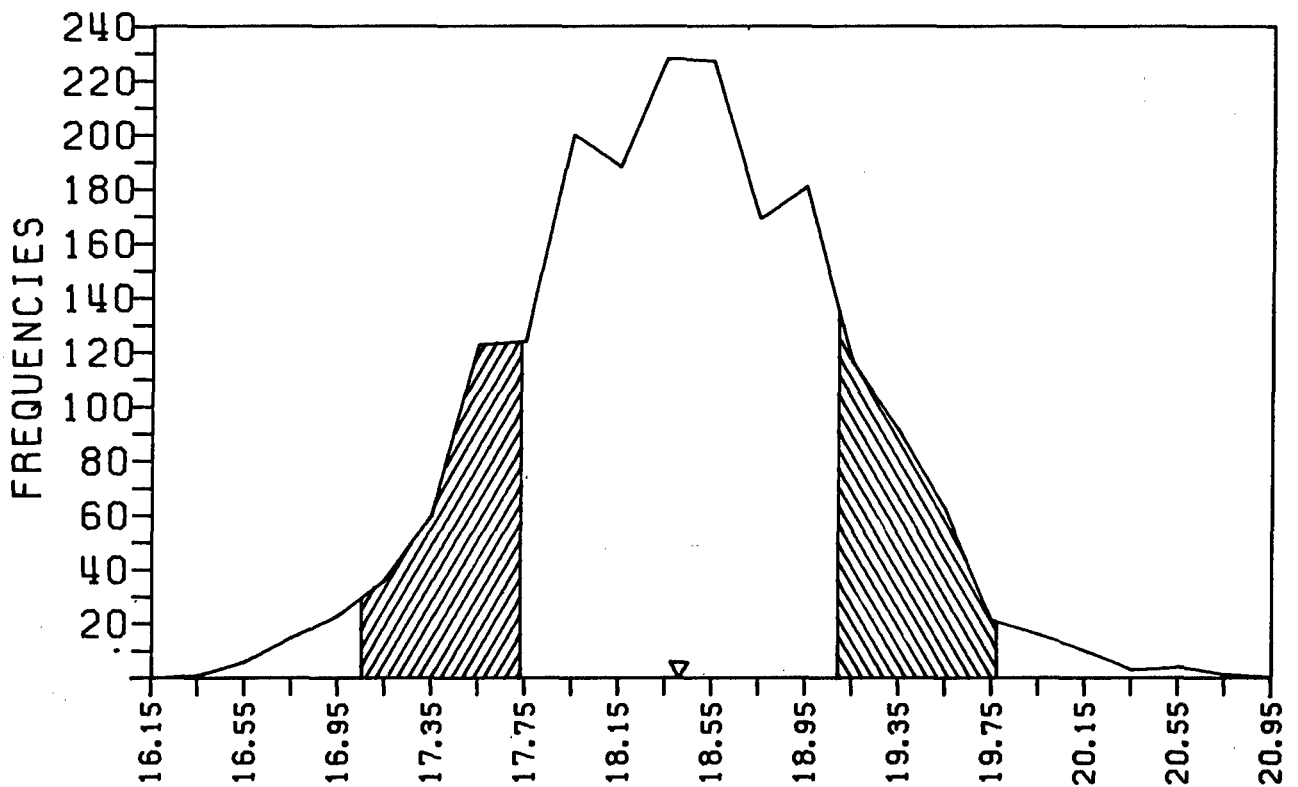
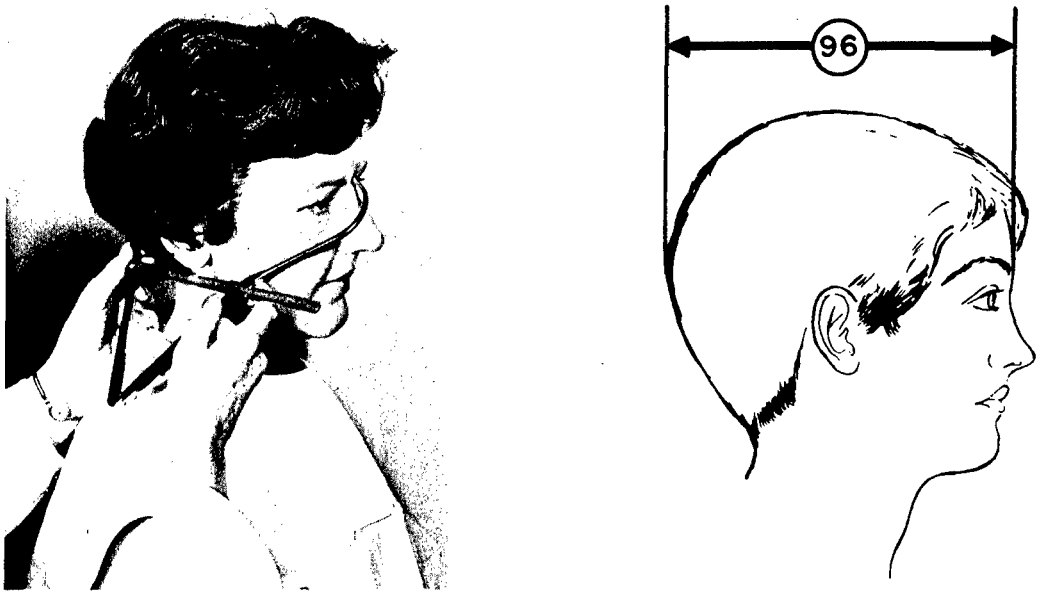
INCHES

10.22	99TH	4.02
10.03	98TH	3.95
9.92	97TH	3.90
9.77	95TH	3.84
9.55	90TH	3.76
9.41	85TH	3.70
9.30	80TH	3.66
9.20	75TH	3.62
9.12	70TH	3.59
9.05	65TH	3.56
8.98	60TH	3.54
8.91	55TH	3.51
8.85	50TH	3.48
8.78	45TH	3.46
8.72	40TH	3.43
8.65	35TH	3.40
8.58	30TH	3.38
8.50	25TH	3.35
8.42	20TH	3.31
8.32	15TH	3.27
8.20	10TH	3.23
8.02	5TH	3.16
7.91	3RD	3.11
7.82	2ND	3.08
7.70	1ST	3.03

*IN CENTIMETERS

(96) HEAD LENGTH

Subject sits. With a spreading caliper, measure in the midsagittal plane the maximum length of the head between the glabella landmark and the occiput.



CENTIMETERS INCHES

18.41 MEAN VALUE 7.25
0.02 SE(MEAN) 0.01
0.68 SD DEVIATION 0.27
0.01 SE(SD DEV) 0.00

SYMMETRY---VETA I = 0.03
KURTOSIS---VETA II = 2.95
COEF. OF VARIATION = 3.7%

NUMBER OF SUBJECTS = 1905

THE PERCENTILES

CENTIMETERS INCHES

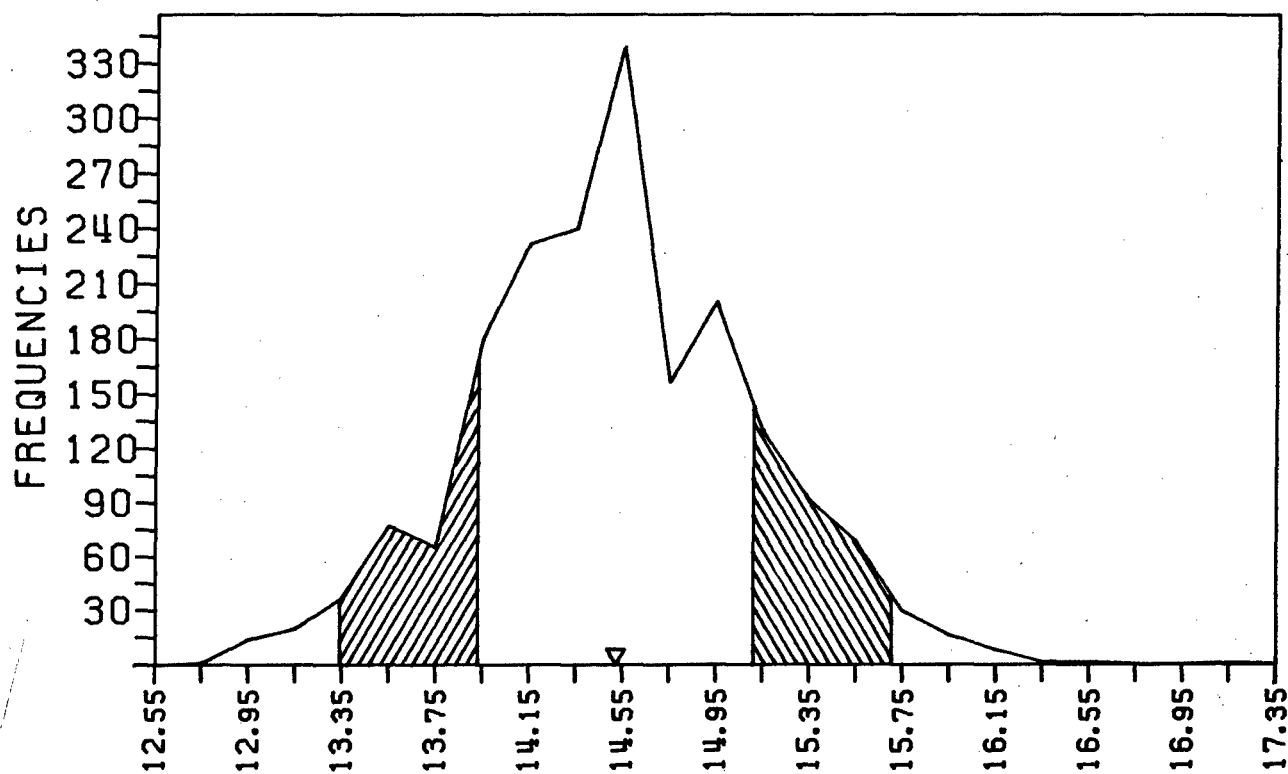
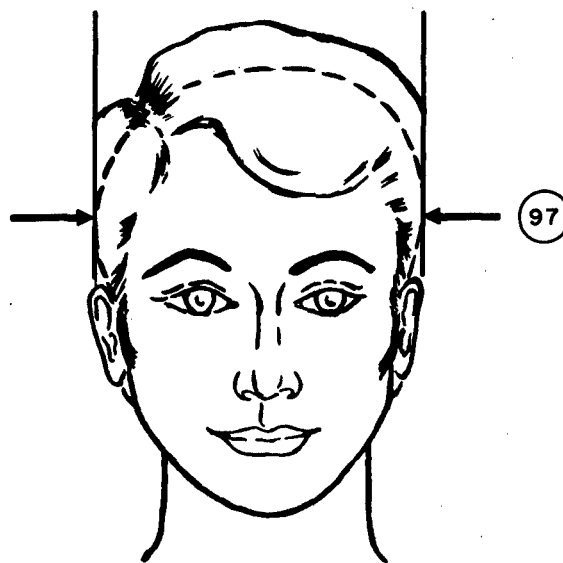
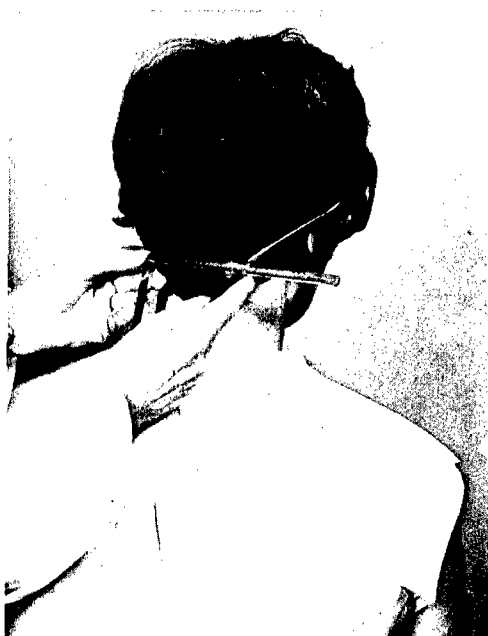
20.01 99TH 7.88
19.81 98TH 7.80
19.69 97TH 7.75
19.52 95TH 7.69
19.27 90TH 7.59
19.11 85TH 7.52
18.98 80TH 7.47
18.86 75TH 7.43
18.76 70TH 7.39
18.67 65TH 7.35
18.58 60TH 7.31
18.49 55TH 7.28
18.41 50TH 7.25
18.32 45TH 7.21
18.23 40TH 7.18
18.14 35TH 7.14
18.05 30TH 7.11
17.95 25TH 7.07
17.83 20TH 7.02
17.70 15TH 6.97
17.53 10TH 6.90
17.27 5TH 6.80
17.11 3RD 6.74
17.00 2ND 6.69
16.82 1ST 6.62

RANGES*	F	CUMF	FPCT	CUMPCT
20.65- 20.85	1	1905	0.05	100.00
20.45- 20.65	4	1904	0.21	99.95
20.25- 20.45	3	1900	0.16	99.74
20.05- 20.25	10	1897	0.52	99.58
19.85- 20.05	16	1887	0.84	99.06
19.65- 19.85	21	1871	1.10	98.22
19.45- 19.65	62	1850	3.25	97.11
19.25- 19.45	91	1788	4.78	93.86
19.05- 19.25	116	1697	6.09	89.08
18.85- 19.05	181	1581	9.50	82.99
18.65- 18.85	169	1400	8.87	73.49
18.45- 18.65	227	1231	11.92	64.62
18.25- 18.45	228	1004	11.97	52.70
18.05- 18.25	188	776	9.87	40.73
17.85- 18.05	200	588	10.50	30.87
17.65- 17.85	124	388	6.51	20.37
17.45- 17.65	123	264	6.46	13.86
17.25- 17.45	60	141	3.15	7.40
17.05- 17.25	36	81	1.89	4.25
16.85- 17.05	23	45	1.21	2.36
16.65- 16.85	15	22	0.79	1.15
16.45- 16.65	6	7	0.31	0.37
16.25- 16.45	1	1	0.05	0.05

*IN CENTIMETERS

(97) HEAD BREADTH

Subject sits. With a spreading caliper, measure the maximum horizontal breadth of the head above the level of the ears.



CENTIMETERS

INCHES

14.52 MEAN VALUE 5.71
 0.01 SE(MEAN) 0.01
 0.59 SD DEVIATION 0.23
 0.01 SE(SD DEV) 0.00

SYMMETRY---VETA I = 0.11
 KURTOSIS---VETA II = 3.16
 COEF. OF VARIATION = 4.1%

NUMBER OF SUBJECTS = 1905

THE PERCENTILES

CENTIMETERS

INCHES

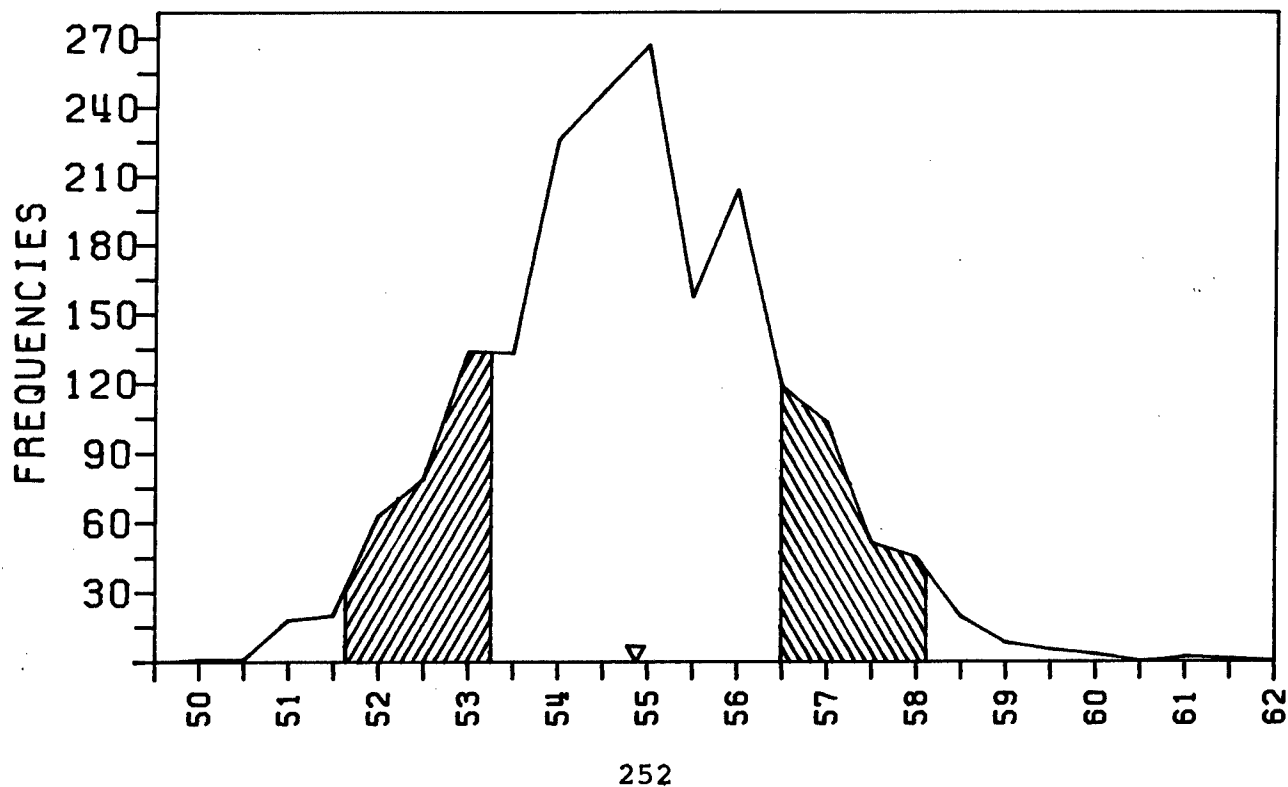
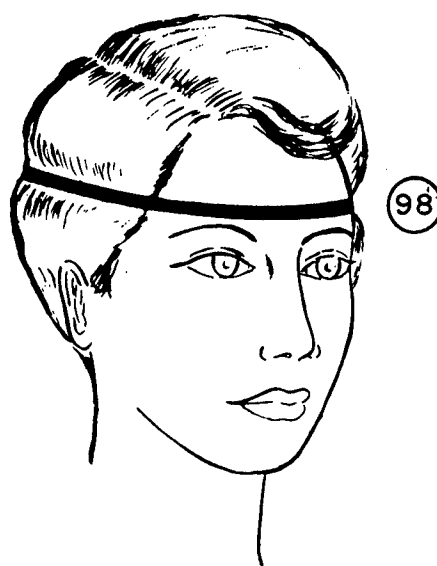
15.95	99TH	6.28
15.78	98TH	6.21
15.67	97TH	6.17
15.52	95TH	6.11
15.29	90TH	6.02
15.13	85TH	5.96
15.01	80TH	5.91
14.90	75TH	5.87
14.81	70TH	5.83
14.73	65TH	5.80
14.65	60TH	5.77
14.58	55TH	5.74
14.50	50TH	5.71
14.43	45TH	5.68
14.36	40TH	5.65
14.28	35TH	5.62
14.20	30TH	5.59
14.12	25TH	5.56
14.02	20TH	5.52
13.91	15TH	5.48
13.76	10TH	5.42
13.54	5TH	5.33
13.39	3RD	5.27
13.27	2ND	5.22
13.07	1ST	5.15

RANGES*	F	CUMF	FPCT	CUMPT
17.05- 17.25	1	1905	0.05	100.00
16.85- 17.05	0	1904	0.00	99.95
16.65- 16.85	0	1904	0.00	99.95
16.45- 16.65	1	1904	0.05	99.95
16.25- 16.45	1	1903	0.05	99.90
16.05- 16.25	8	1902	0.42	99.84
15.85- 16.05	16	1894	0.84	99.42
15.65- 15.85	29	1878	1.52	98.58
15.45- 15.65	68	1849	3.57	97.06
15.25- 15.45	91	1781	4.78	93.49
15.05- 15.25	129	1690	6.77	88.71
14.85- 15.05	200	1561	10.50	81.94
14.65- 14.85	156	1361	8.19	71.44
14.45- 14.65	339	1205	17.80	63.25
14.25- 14.45	240	866	12.60	45.46
14.05- 14.25	232	626	12.18	32.86
13.85- 14.05	180	394	9.45	20.68
13.65- 13.85	65	214	3.41	11.23
13.45- 13.65	77	149	4.04	7.82
13.25- 13.45	37	72	1.94	3.78
13.05- 13.25	20	35	1.05	1.84
12.85- 13.05	14	15	0.73	0.79
12.65- 12.85	1	1	0.05	0.05

*IN CENTIMETERS

(98) HEAD CIRCUMFERENCE

Subject sits. With a tape passing above the brow ridges and nuchale, measure the maximum circumference of the head.



CENTIMETERS

INCHES

54.87 MEAN VALUE 21.60
 0.04 SE(MEAN) 0.01
 1.62 SD DEVIATION 0.64
 0.03 SE(SD DEV) 0.01

SYMMETRY---VETA I = 0.20
 KURTOSIS---VETA II = 3.16
 COEF. OF VARIATION = 3.0%

NUMBER OF SUBJECTS = 1905

THE PERCENTILES

CENTIMETERS

INCHES

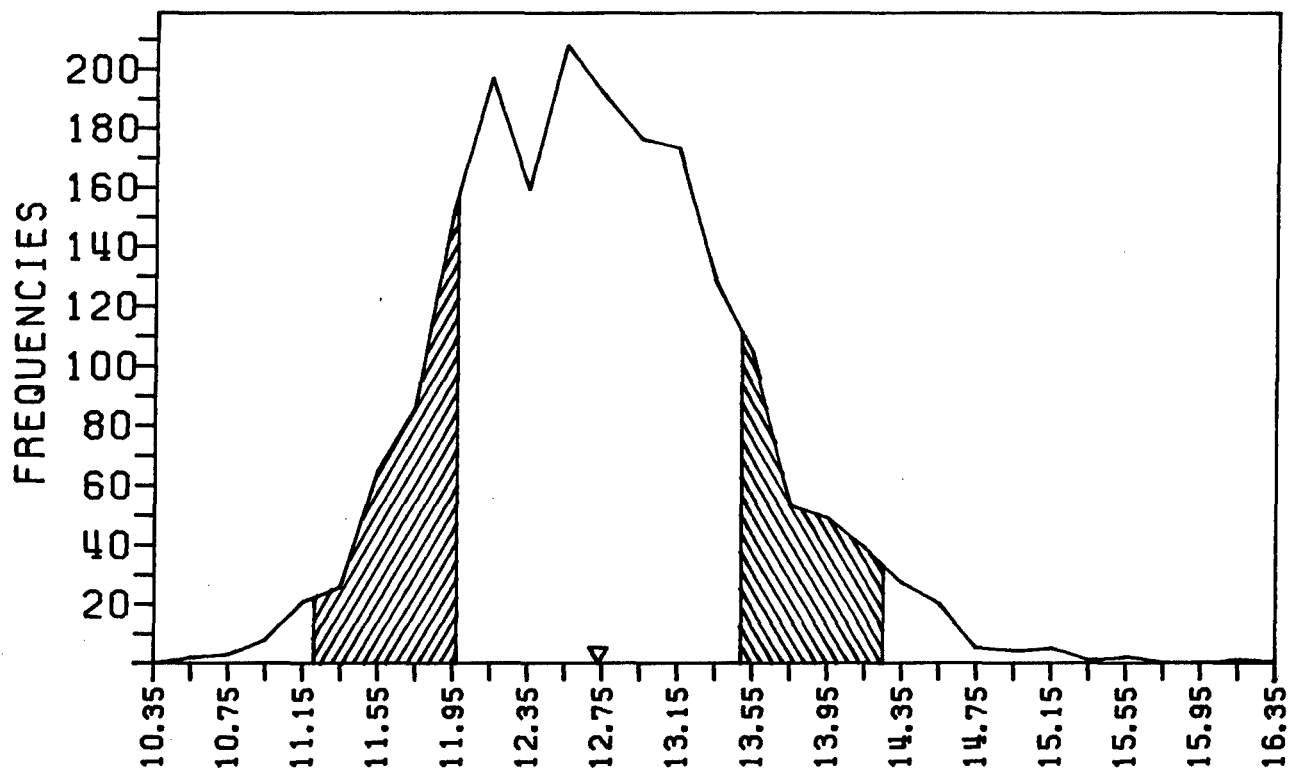
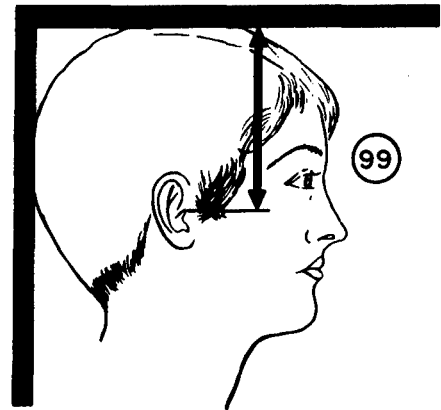
58.75	99TH	23.13
58.29	98TH	22.95
58.00	97TH	22.83
57.59	95TH	22.67
56.97	90TH	22.43
56.55	85TH	22.26
56.22	80TH	22.13
55.93	75TH	22.02
55.68	70TH	21.92
55.45	65TH	21.83
55.23	60TH	21.74
55.02	55TH	21.66
54.82	50TH	21.58
54.61	45TH	21.50
54.41	40TH	21.42
54.20	35TH	21.34
53.98	30TH	21.25
53.74	25TH	21.16
53.48	20TH	21.05
53.18	15TH	20.94
52.80	10TH	20.79
52.25	5TH	20.57
51.90	3RD	20.43
51.64	2ND	20.33
51.23	1ST	20.17

RANGES*	F	CUMF	FPCT	CUMPCT
61.25- 61.75	1	1905	0.05	100.00
60.75- 61.25	2	1904	0.10	99.95
60.25- 60.75	0	1902	0.00	99.84
59.75- 60.25	3	1902	0.16	99.84
59.25- 59.75	5	1899	0.26	99.69
58.75- 59.25	8	1894	0.42	99.42
58.25- 58.75	19	1886	1.00	99.00
57.75- 58.25	45	1867	2.36	98.01
57.25- 57.75	51	1822	2.68	95.64
56.75- 57.25	103	1771	5.41	92.97
56.25- 56.75	118	1668	6.19	87.56
55.75- 56.25	204	1550	10.71	81.36
55.25- 55.75	157	1346	8.24	70.66
54.75- 55.25	267	1189	14.02	62.41
54.25- 54.75	247	922	12.97	48.40
53.75- 54.25	226	675	11.86	35.43
53.25- 53.75	133	449	6.98	23.57
52.75- 53.25	134	316	7.03	16.59
52.25- 52.75	79	182	4.15	9.55
51.75- 52.25	63	103	3.31	5.41
51.25- 51.75	20	40	1.05	2.10
50.75- 51.25	18	20	0.94	1.05
50.25- 50.75	1	2	0.05	0.10
49.75- 50.25	1	1	0.05	0.05

*IN CENTIMETERS

(99) TRAGION TO TOP OF HEAD

Subject stands under the headboard looking straight ahead. The headboard is adjusted so that its vertical and horizontal planes are in firm contact with the back and the top of the head. Positioning the head in the Frankfort plane and using the special gauge, measure the vertical distance from the horizontal plane to the right tragion landmark.



CENTIMETERS

INCHES

12.73 MEAN VALUE 5.01
 0.02 SE(MEAN) 0.01
 0.76 SD DEVIATION 0.30
 0.01 SE(SD DEV) 0.00

SYMMETRY---VETA I = 0.39
 KURTOSIS---VETA II = 3.28
 COEF. OF VARIATION = 6.0%

NUMBER OF SUBJECTS = 1905

THE PERCENTILES

CENTIMETERS

INCHES

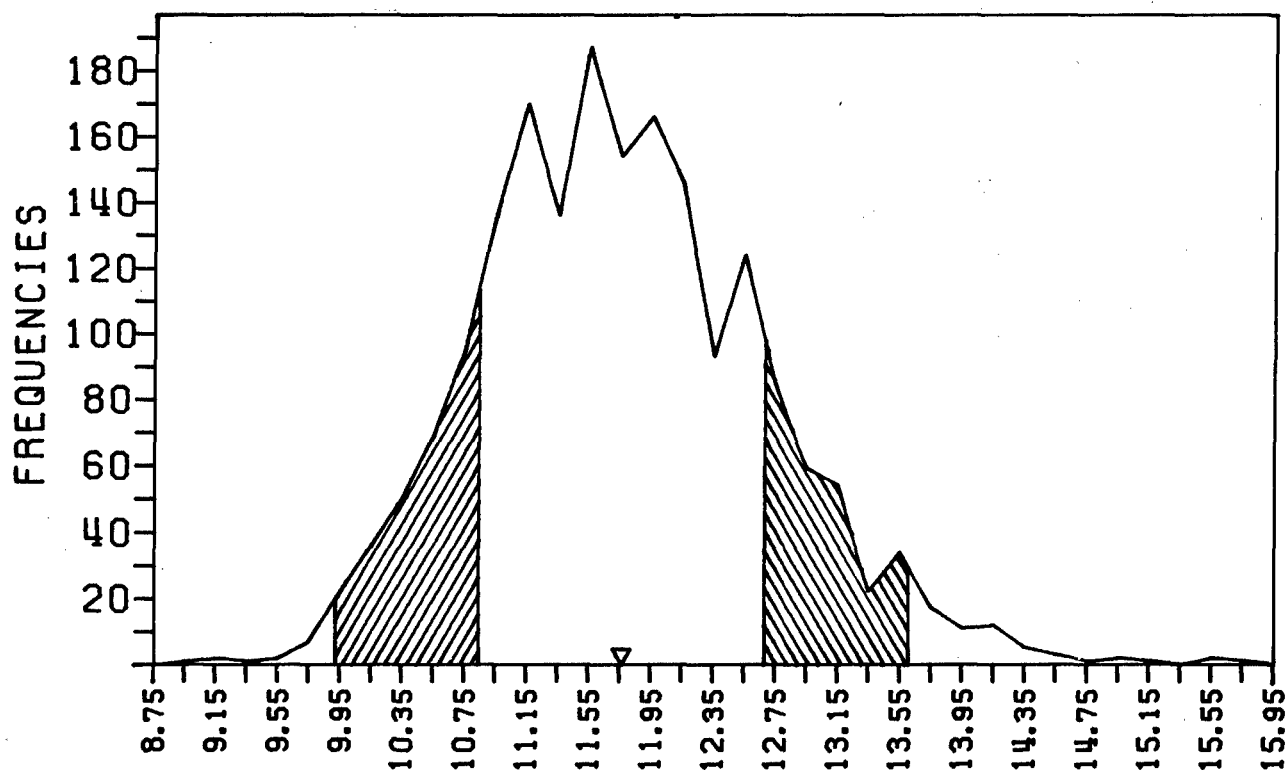
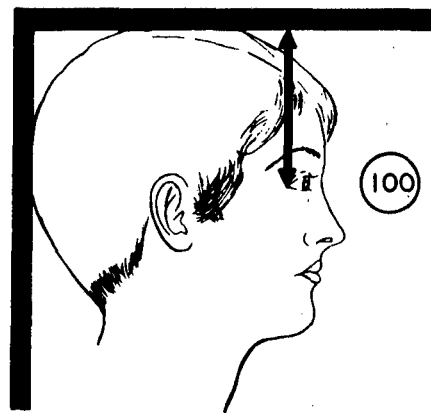
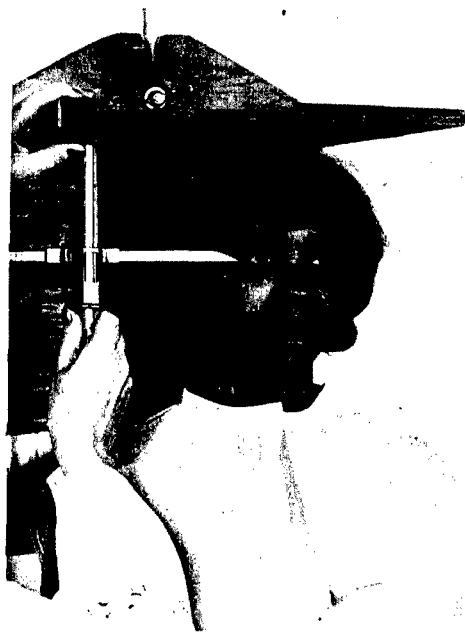
14.66	99TH	5.77
14.43	98TH	5.68
14.28	97TH	5.62
14.07	95TH	5.54
13.75	90TH	5.41
13.53	85TH	5.33
13.36	80TH	5.26
13.21	75TH	5.20
13.08	70TH	5.15
12.97	65TH	5.11
12.86	60TH	5.06
12.76	55TH	5.03
12.67	50TH	4.99
12.57	45TH	4.95
12.48	40TH	4.91
12.38	35TH	4.88
12.29	30TH	4.84
12.19	25TH	4.80
12.07	20TH	4.75
11.95	15TH	4.70
11.79	10TH	4.64
11.56	5TH	4.55
11.41	3RD	4.49
11.30	2ND	4.45
11.11	1ST	4.37

RANGES*	F	CUMF	FPCT	CUMPT
16.05- 16.25	1	1905	0.05	100.00
15.85- 16.05	0	1904	0.00	99.95
15.65- 15.85	0	1904	0.00	99.95
15.45- 15.65	2	1904	0.10	99.95
15.25- 15.45	1	1902	0.05	99.84
15.05- 15.25	5	1901	0.26	99.79
14.85- 15.05	4	1896	0.21	99.53
14.65- 14.85	5	1892	0.26	99.32
14.45- 14.65	20	1887	1.05	99.06
14.25- 14.45	27	1867	1.42	98.01
14.05- 14.25	39	1840	2.05	96.59
13.85- 14.05	49	1801	2.57	94.54
13.65- 13.85	53	1752	2.78	91.97
13.45- 13.65	104	1699	5.46	89.19
13.25- 13.45	128	1595	6.72	83.73
13.05- 13.25	173	1467	9.08	77.01
12.85- 13.05	176	1294	9.24	67.93
12.65- 12.85	191	1118	10.03	58.69
12.45- 12.65	208	927	10.92	48.66
12.25- 12.45	159	719	8.35	37.74
12.05- 12.25	197	560	10.34	29.40
11.85- 12.05	152	363	7.98	19.06
11.65- 11.85	86	211	4.51	11.08
11.45- 11.65	65	125	3.41	6.56
11.25- 11.45	26	60	1.36	3.15
11.05- 11.25	21	34	1.10	1.78
10.85- 11.05	8	13	0.42	0.68
10.65- 10.85	3	5	0.16	0.26
10.45- 10.65	2	2	0.10	0.10

*IN CENTIMETERS

(100) ECTOCANTHUS TO TOP OF HEAD

Subject stands under the headboard looking straight ahead. The headboard is adjusted so that its vertical and horizontal planes are in firm contact with the back and the top of the head. Positioning the head in the Frankfort plane and using the special gauge, measure the vertical distance from the horizontal plane to the right ectocanthus.



CENTIMETERS

INCHES

11.76 MEAN VALUE 4.63
 0.02 SE(MEAN) 0.01
 0.92 SD DEVIATION 0.36
 0.01 SE(SD DEV) 0.01

SYMMETRY---VETA I = 0.42
 KURTOSIS---VETA II = 3.43
 COEF. OF VARIATION = 7.8%

NUMBER OF SUBJECTS = 1905

THE PERCENTILES

CENTIMETERS

INCHES

14.18	99TH	5.58
13.85	98TH	5.45
13.64	97TH	5.37
13.37	95TH	5.27
12.97	90TH	5.11
12.71	85TH	5.01
12.51	80TH	4.93
12.35	75TH	4.86
12.20	70TH	4.80
12.06	65TH	4.75
11.94	60TH	4.70
11.82	55TH	4.65
11.71	50TH	4.61
11.59	45TH	4.56
11.48	40TH	4.52
11.36	35TH	4.47
11.25	30TH	4.43
11.12	25TH	4.38
10.98	20TH	4.32
10.83	15TH	4.26
10.63	10TH	4.19
10.36	5TH	4.08
10.19	3RD	4.01
10.07	2ND	3.97
9.89	1ST	3.89

RANGES*

F

CUMF

FPCT

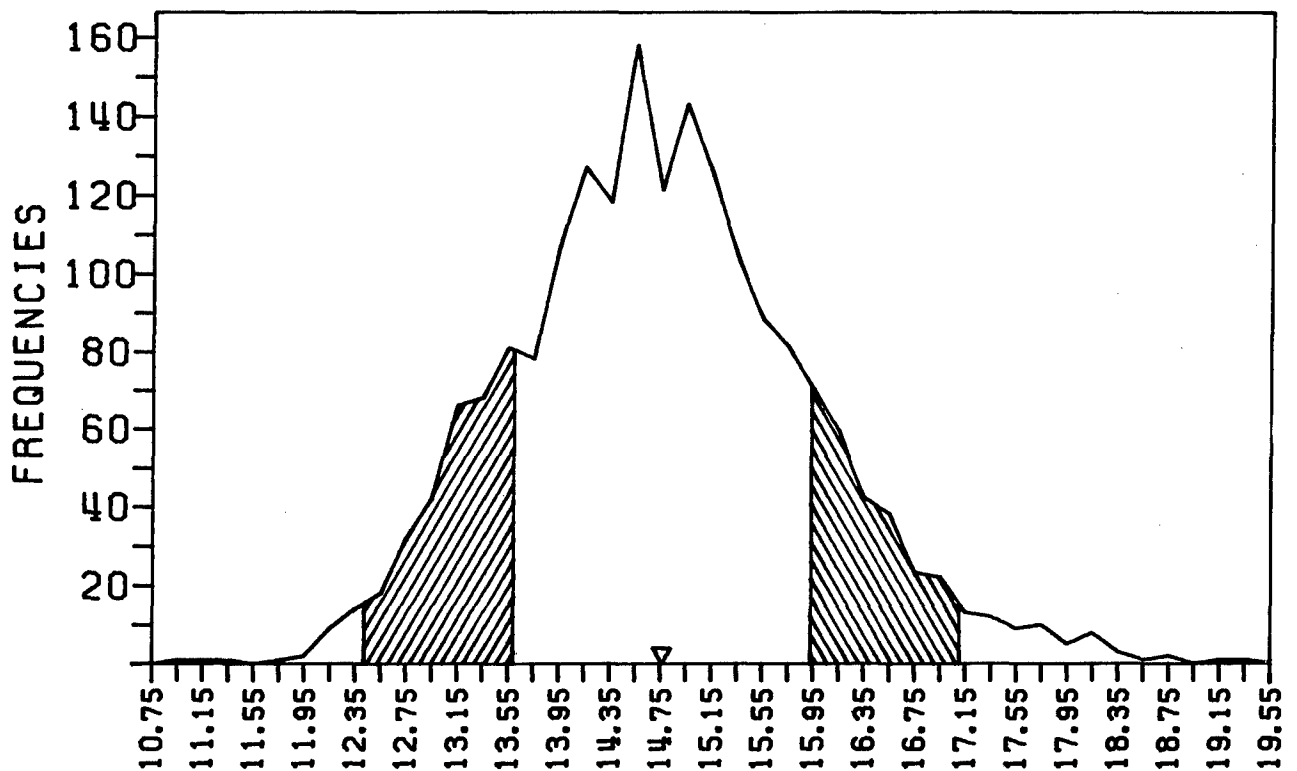
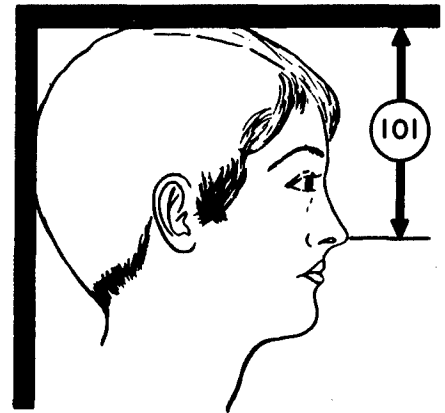
CUMPCT

15.65- 15.85	1	1905	0.05	100.00
15.45- 15.65	2	1904	0.10	99.95
15.25- 15.45	0	1902	0.00	99.84
15.05- 15.25	1	1902	0.05	99.84
14.85- 15.05	2	1901	0.10	99.79
14.65- 14.85	1	1899	0.05	99.69
14.45- 14.65	3	1898	0.16	99.63
14.25- 14.45	5	1895	0.26	99.48
14.05- 14.25	12	1890	0.63	99.21
13.85- 14.05	11	1878	0.58	98.58
13.65- 13.85	17	1867	0.89	98.01
13.45- 13.65	34	1850	1.78	97.11
13.25- 13.45	22	1816	1.15	95.33
13.05- 13.25	54	1794	2.83	94.17
12.85- 13.05	59	1740	3.10	91.34
12.65- 12.85	84	1681	4.41	88.24
12.45- 12.65	124	1597	6.51	83.83
12.25- 12.45	93	1473	4.88	77.32
12.05- 12.25	146	1380	7.66	72.44
11.85- 12.05	166	1234	8.71	64.78
11.65- 11.85	154	1068	8.08	56.06
11.45- 11.65	187	914	9.82	47.98
11.25- 11.45	136	727	7.14	38.16
11.05- 11.25	170	591	8.92	31.02
10.85- 11.05	136	421	7.14	22.10
10.65- 10.85	95	285	4.99	14.96
10.45- 10.65	69	190	3.62	9.97
10.25- 10.45	50	121	2.62	6.35
10.05- 10.25	36	71	1.89	3.73
9.85- 10.05	22	35	1.15	1.84
9.65- 9.85	7	13	0.37	0.68
9.45- 9.65	2	6	0.10	0.31
9.25- 9.45	1	4	0.05	0.21
9.05- 9.25	2	3	0.10	0.16
8.85- 9.05	1	1	0.05	0.05

*IN CENTIMETERS

(101) PRONASALE TO TOP OF HEAD

Subject stands under the headboard looking straight ahead. The headboard is adjusted so that its vertical and horizontal planes are in firm contact with the back and the top of the head. Positioning the head in the Frankfort plane and using the special gauge, measure the vertical distance from the horizontal plane to pronasale.



RANGES*	F	CUMF	FPCT	CUMPCT
19.25- 19.45	1	1905	0.05	100.00
19.05- 19.25	1	1904	0.05	99.95
18.85- 19.05	0	1903	0.00	99.90
18.65- 18.85	2	1903	0.10	99.90
18.45- 18.65	1	1901	0.05	99.79
18.25- 18.45	3	1900	0.16	99.74
18.05- 18.25	8	1897	0.42	99.58
17.85- 18.05	5	1889	0.26	99.16
17.65- 17.85	10	1884	0.52	98.90
17.45- 17.65	9	1874	0.47	98.37
17.25- 17.45	12	1865	0.63	97.90
17.05- 17.25	13	1853	0.68	97.27
16.85- 17.05	22	1840	1.15	96.59
16.65- 16.85	23	1818	1.21	95.43
16.45- 16.65	38	1795	1.99	94.23
16.25- 16.45	42	1757	2.20	92.23
16.05- 16.25	59	1715	3.10	90.03
15.85- 16.05	70	1656	3.67	86.93
15.65- 15.85	81	1586	4.25	83.25
15.45- 15.65	88	1505	4.62	79.00
15.25- 15.45	104	1417	5.46	74.38
15.05- 15.25	125	1313	6.56	68.92
14.85- 15.05	143	1188	7.51	62.36
14.65- 14.85	121	1045	6.35	54.86
14.45- 14.65	158	924	8.29	48.50
14.25- 14.45	118	766	6.19	40.21
14.05- 14.25	127	648	6.67	34.02
13.85- 14.05	107	521	5.62	27.35
13.65- 13.85	78	414	4.09	21.73
13.45- 13.65	81	336	4.25	17.64
13.25- 13.45	68	255	3.57	13.39
13.05- 13.25	66	187	3.46	9.82
12.85- 13.05	42	121	2.20	6.35
12.65- 12.85	32	79	1.68	4.15
12.45- 12.65	18	47	0.94	2.47
12.25- 12.45	14	29	0.73	1.52
12.05- 12.25	9	15	0.47	0.79
11.85- 12.05	2	6	0.10	0.31
11.65- 11.85	1	4	0.05	0.21
11.45- 11.65	0	3	0.00	0.16
11.25- 11.45	1	3	0.05	0.16
11.05- 11.25	1	2	0.05	0.10
10.85- 11.05	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS INCHES

14.76	MEAN VALUE	5.81
0.03	SE(MEAN)	0.01
1.17	SD DEVIATION	0.46
0.02	SE(SD DEV)	0.01

SYMMETRY---	VETA I =	0.34
KURTOSIS---	VETA II =	3.32
COEF. OF VARIATION	=	7.9%

NUMBER OF SUBJECTS = 1905

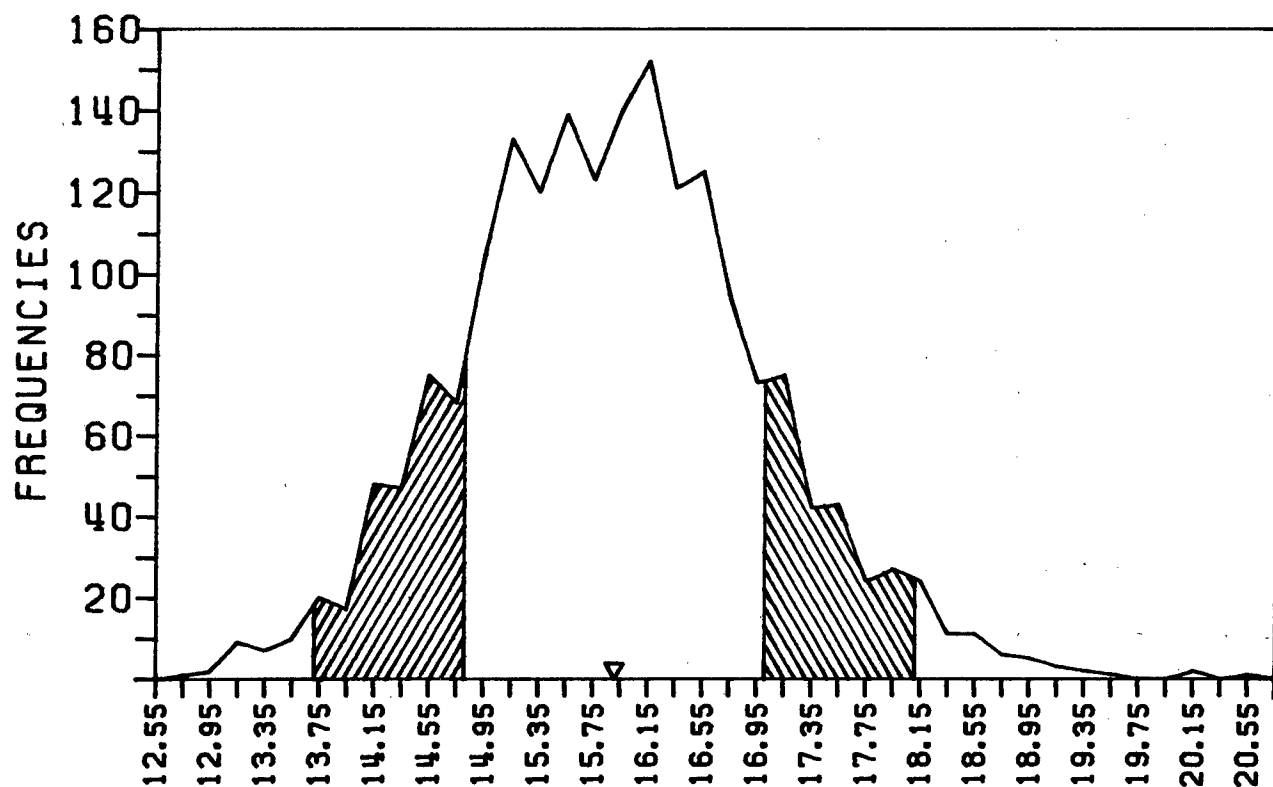
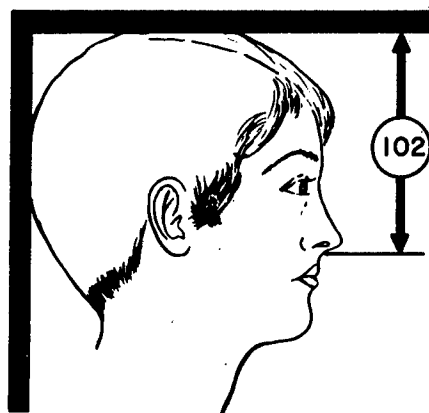
THE PERCENTILES

CENTIMETERS INCHES

17.96	99TH	7.07
17.45	98TH	6.87
17.16	97TH	6.76
16.79	95TH	6.61
16.26	90TH	6.40
15.94	85TH	6.28
15.69	80TH	6.18
15.49	75TH	6.10
15.31	70TH	6.03
15.14	65TH	5.96
14.99	60TH	5.90
14.85	55TH	5.84
14.70	50TH	5.79
14.56	45TH	5.73
14.42	40TH	5.68
14.27	35TH	5.62
14.11	30TH	5.56
13.95	25TH	5.49
13.77	20TH	5.42
13.56	15TH	5.34
13.30	10TH	5.23
12.92	5TH	5.09
12.70	3RD	5.00
12.54	2ND	4.94
12.32	1ST	4.85

(102) SUBNASALE TO TOP OF HEAD

Subject stands under the headboard looking straight ahead. The headboard is adjusted so that its vertical and horizontal planes are in firm contact with the back and the top of the head. Positioning the head in the Frankfort plane and using the special gauge, measure the vertical distance from the horizontal plane to subnasale.



RANGES*	F	CUMF	FPCT	CUMPCT
20.45- 20.65	1	1905	0.05	100.00
20.25- 20.45	0	1904	0.00	99.95
20.05- 20.25	2	1904	0.10	99.95
19.85- 20.05	0	1902	0.00	99.84
19.65- 19.85	0	1902	0.00	99.84
19.45- 19.65	1	1902	0.05	99.84
19.25- 19.45	2	1901	0.10	99.79
19.05- 19.25	3	1899	0.16	99.69
18.85- 19.05	5	1896	0.26	99.53
18.65- 18.85	6	1891	0.31	99.27
18.45- 18.65	11	1885	0.58	98.95
18.25- 18.45	11	1874	0.58	98.37
18.05- 18.25	24	1863	1.26	97.80
17.85- 18.05	27	1839	1.42	96.54
17.65- 17.85	24	1812	1.26	95.12
17.45- 17.65	43	1788	2.26	93.86
17.25- 17.45	42	1745	2.20	91.60
17.05- 17.25	75	1703	3.94	89.40
16.85- 17.05	73	1628	3.83	85.46
16.65- 16.85	94	1555	4.93	81.63
16.45- 16.65	125	1461	6.56	76.69
16.25- 16.45	121	1336	6.35	70.13
16.05- 16.25	152	1215	7.98	63.78
15.85- 16.05	140	1063	7.35	55.80
15.65- 15.85	123	923	6.46	48.45
15.45- 15.65	139	800	7.30	41.99
15.25- 15.45	120	661	6.30	34.70
15.05- 15.25	133	541	6.98	28.40
14.85- 15.05	104	408	5.46	21.42
14.65- 14.85	68	304	3.57	15.96
14.45- 14.65	75	236	3.94	12.39
14.25- 14.45	47	161	2.47	8.45
14.05- 14.25	48	114	2.52	5.98
13.85- 14.05	17	66	0.89	3.46
13.65- 13.85	20	49	1.05	2.57
13.45- 13.65	10	29	0.52	1.52
13.25- 13.45	7	19	0.37	1.00
13.05- 13.25	9	12	0.47	0.63
12.85- 13.05	2	3	0.10	0.16
12.65- 12.85	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS

INCHES

15.91	MEAN VALUE	6.26
0.03	SE(MEAN)	0.01
1.10	SD DEVIATION	0.43
0.02	SE(SD DEV)	0.01

SYMMETRY---	VETA I =	0.26
KURTOSIS---	VETA II =	3.28
COEF. OF VARIATION	=	6.9%

NUMBER OF SUBJECTS = 1905

THE PERCENTILES

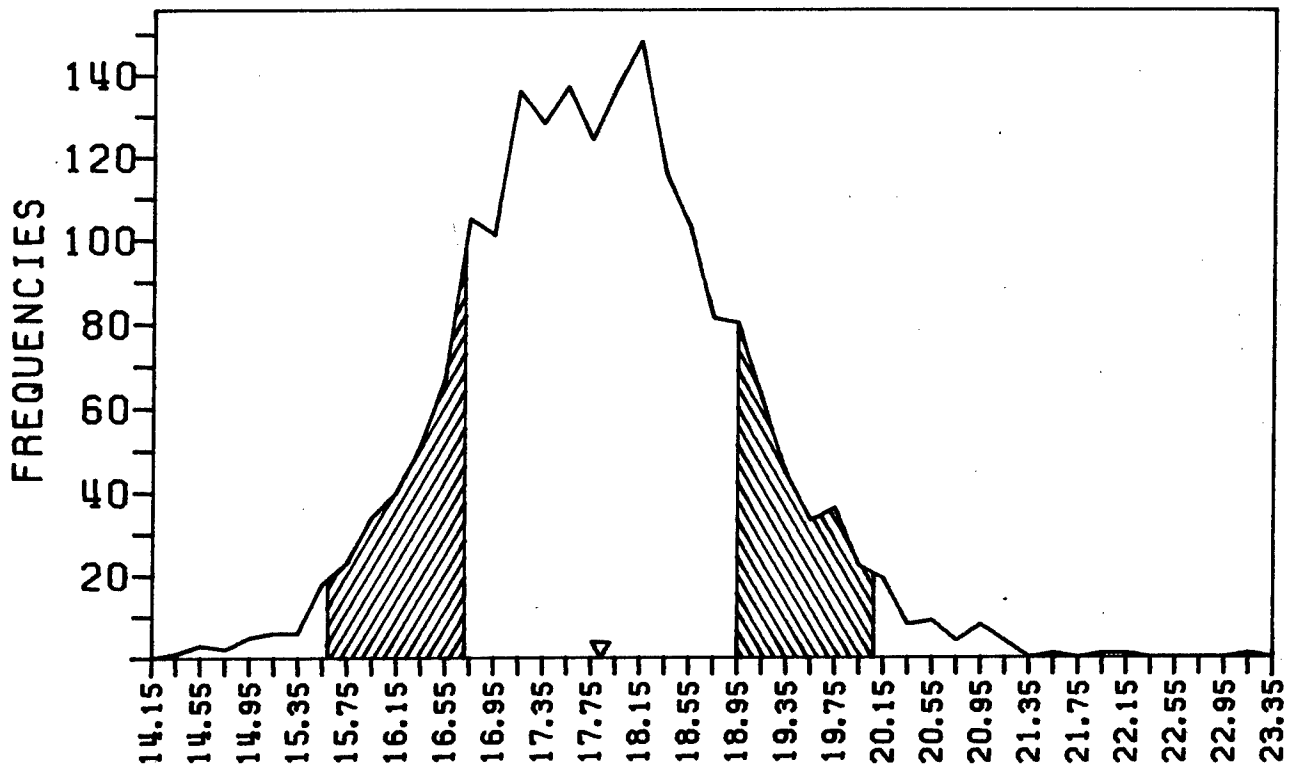
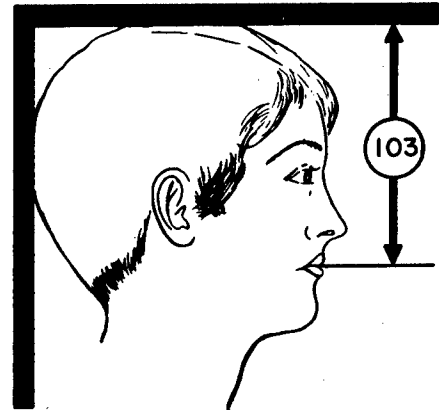
CENTIMETERS

INCHES

18.70	99TH	7.36
18.33	98TH	7.22
18.10	97TH	7.13
17.79	95TH	7.01
17.34	90TH	6.83
17.04	85TH	6.71
16.81	80TH	6.62
16.61	75TH	6.54
16.44	70TH	6.47
16.29	65TH	6.41
16.14	60TH	6.36
16.00	55TH	6.30
15.87	50TH	6.25
15.73	45TH	6.19
15.60	40TH	6.14
15.46	35TH	6.09
15.32	30TH	6.03
15.16	25TH	5.97
14.99	20TH	5.90
14.79	15TH	5.82
14.54	10TH	5.73
14.17	5TH	5.58
13.93	3RD	5.48
13.75	2ND	5.41
13.45	1ST	5.30

(103) STOMION TO TOP OF HEAD

Subject stands under the headboard looking straight ahead. The headboard is adjusted so that its vertical and horizontal planes are in firm contact with the back and the top of the head. Positioning the head in the Frankfort plane and using the special gauge, measure the vertical distance from the horizontal plane to stomion.



RANGES*	F	CUMF	FPCT	CUMPCT
23.05- 23.25	1	1905	0.05	100.00
22.85- 23.05	0	1904	0.00	99.95
22.65- 22.85	0	1904	0.00	99.95
22.45- 22.65	0	1904	0.00	99.95
22.25- 22.45	0	1904	0.00	99.95
22.05- 22.25	1	1904	0.05	99.95
21.85- 22.05	1	1903	0.05	99.90
21.65- 21.85	0	1902	0.00	99.84
21.45- 21.65	1	1902	0.05	99.84
21.25- 21.45	0	1901	0.00	99.79
21.05- 21.25	4	1901	0.21	99.79
20.85- 21.05	8	1897	0.42	99.58
20.65- 20.85	4	1889	0.21	99.16
20.45- 20.65	9	1885	0.47	98.95
20.25- 20.45	8	1876	0.42	98.48
20.05- 20.25	19	1868	1.00	98.06
19.85- 20.05	22	1849	1.15	97.06
19.65- 19.85	36	1827	1.89	95.91
19.45- 19.65	33	1791	1.73	94.02
19.25- 19.45	44	1758	2.31	92.28
19.05- 19.25	62	1714	3.25	89.97
18.85- 19.05	80	1652	4.20	86.72
18.65- 18.85	81	1572	4.25	82.52
18.45- 18.65	103	1491	5.41	78.27
18.25- 18.45	116	1388	6.09	72.86
18.05- 18.25	148	1272	7.77	66.77
17.85- 18.05	137	1124	7.19	59.00
17.65- 17.85	124	987	6.51	51.81
17.45- 17.65	137	863	7.19	45.30
17.25- 17.45	128	726	6.72	38.11
17.05- 17.25	136	598	7.14	31.39
16.85- 17.05	101	462	5.30	24.25
16.65- 16.85	105	361	5.51	18.95
16.45- 16.65	67	256	3.52	13.44
16.25- 16.45	51	189	2.68	9.92
16.05- 16.25	40	138	2.10	7.24
15.85- 16.05	34	98	1.78	5.14
15.65- 15.85	23	64	1.21	3.36
15.45- 15.65	18	41	0.94	2.15
15.25- 15.45	6	23	0.31	1.21
15.05- 15.25	6	17	0.31	0.89
14.85- 15.05	5	11	0.26	0.58
14.65- 14.85	2	6	0.10	0.31
14.45- 14.65	3	4	0.16	0.21
14.25- 14.45	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS		INCHES
17.83	MEAN VALUE	7.02
0.03	SE (MEAN)	0.01
1.12	SD DEVIATION	0.44
0.02	SE (SD DEV)	0.01

SYMMETRY---VETA	I =	0.24
KURTOSIS---VETA	II =	3.42
COEF. OF VARIATION	=	6.3%

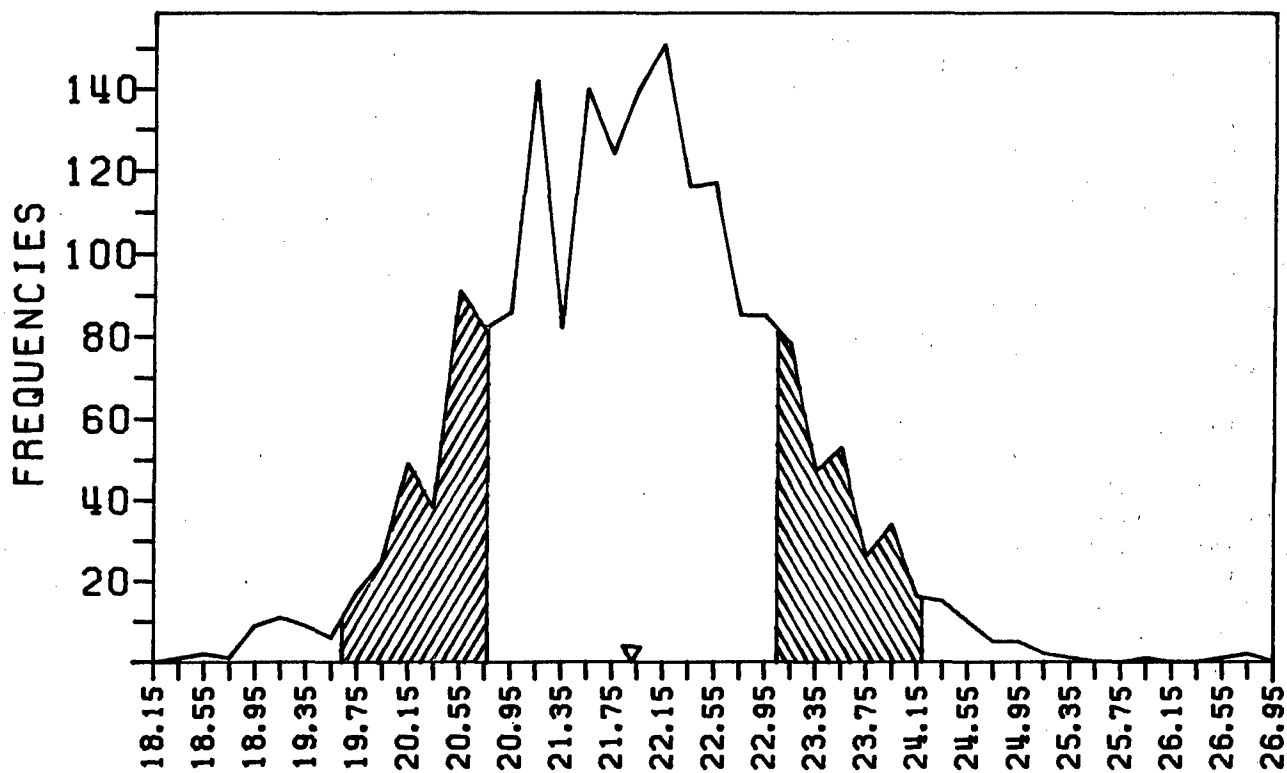
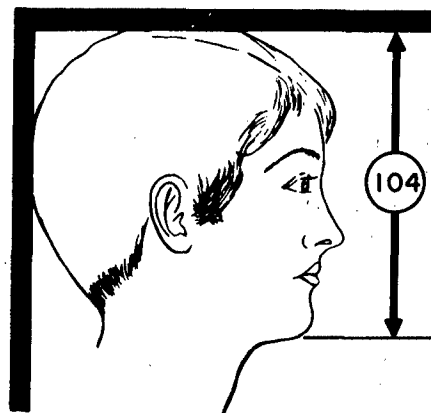
NUMBER OF SUBJECTS = 1905

THE PERCENTILES

CENTIMETERS		INCHES
20.68	99TH	8.14
20.28	98TH	7.99
20.04	97TH	7.89
19.72	95TH	7.77
19.26	90TH	7.58
18.96	85TH	7.46
18.73	80TH	7.37
18.53	75TH	7.30
18.36	70TH	7.23
18.21	65TH	7.17
18.06	60TH	7.11
17.92	55TH	7.06
17.79	50TH	7.00
17.65	45TH	6.95
17.51	40TH	6.90
17.37	35TH	6.84
17.23	30TH	6.78
17.07	25TH	6.72
16.89	20TH	6.65
16.69	15TH	6.57
16.43	10TH	6.47
16.05	5TH	6.32
15.80	3RD	6.22
15.61	2ND	6.15
15.32	1ST	6.03

(104) MENTON TO TOP OF HEAD

Subject stands under the headboard looking straight ahead. The headboard is adjusted so that its vertical and horizontal planes are in firm contact with the back and the top of the head. Positioning the head in the Frankfort plane and using the special gauge, measure the vertical distance from the horizontal plane to the menton landmark.



RANGES*	F	CUMF	FPCT	CUMPC
26.65- 26.85	2	1905	0.10	100.00
26.45- 26.65	1	1903	0.05	99.90
26.25- 26.45	0	1902	0.00	99.84
26.05- 26.25	0	1902	0.00	99.84
25.85- 26.05	1	1902	0.05	99.84
25.65- 25.85	0	1901	0.00	99.79
25.45- 25.65	0	1901	0.00	99.79
25.25- 25.45	1	1901	0.05	99.79
25.05- 25.25	2	1900	0.10	99.74
24.85- 25.05	5	1898	0.26	99.63
24.65- 24.85	5	1893	0.26	99.37
24.45- 24.65	10	1888	0.52	99.11
24.25- 24.45	15	1878	0.79	98.58
24.05- 24.25	16	1863	0.84	97.80
23.85- 24.05	34	1847	1.78	96.96
23.65- 23.85	26	1813	1.36	95.17
23.45- 23.65	53	1787	2.78	93.81
23.25- 23.45	47	1734	2.47	91.02
23.05- 23.25	78	1687	4.09	88.56
22.85- 23.05	85	1609	4.46	84.46
22.65- 22.85	85	1524	4.46	80.00
22.45- 22.65	117	1439	6.14	75.54
22.25- 22.45	116	1322	6.09	69.40
22.05- 22.25	151	1206	7.93	63.31
21.85- 22.05	140	1055	7.35	55.38
21.65- 21.85	124	915	6.51	48.03
21.45- 21.65	140	791	7.35	41.52
21.25- 21.45	82	651	4.30	34.17
21.05- 21.25	142	569	7.45	29.87
20.85- 21.05	86	427	4.51	22.41
20.65- 20.85	82	341	4.30	17.90
20.45- 20.65	91	259	4.78	13.60
20.25- 20.45	38	168	1.99	8.82
20.05- 20.25	49	130	2.57	6.82
19.85- 20.05	25	81	1.31	4.25
19.65- 19.85	17	56	0.89	2.94
19.45- 19.65	6	39	0.31	2.05
19.25- 19.45	9	33	0.47	1.73
19.05- 19.25	11	24	0.58	1.26
18.85- 19.05	9	13	0.47	0.68
18.65- 18.85	1	4	0.05	0.21
18.45- 18.65	2	3	0.10	0.16
18.25- 18.45	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS INCHES

21.91 MEAN VALUE 8.62
0.03 SE(MEAN) 0.01
1.14 SD DEVIATION 0.45
0.02 SE(SD DEV) 0.01

SYMMETRY---VETA I = 0.15
KURTOSIS---VETA II = 3.30
COEF. OF VARIATION = 5.2%

NUMBER OF SUBJECTS = 1905

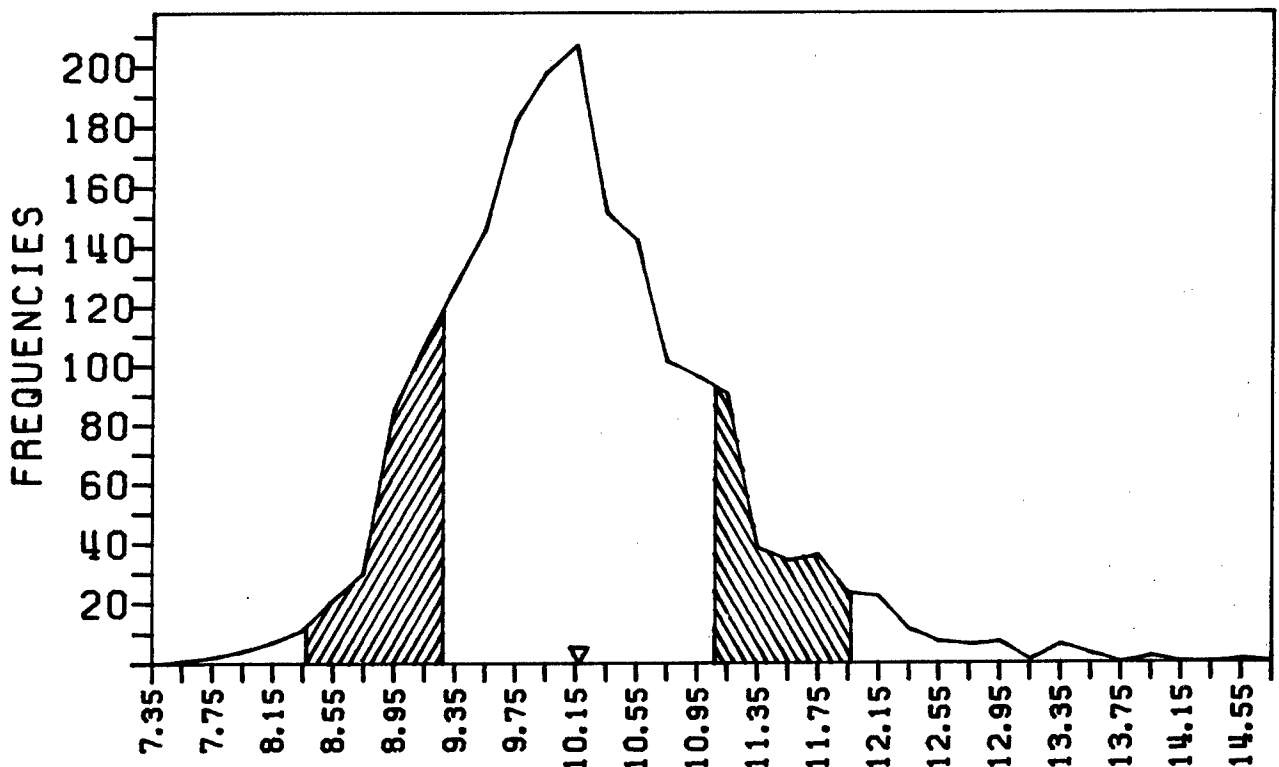
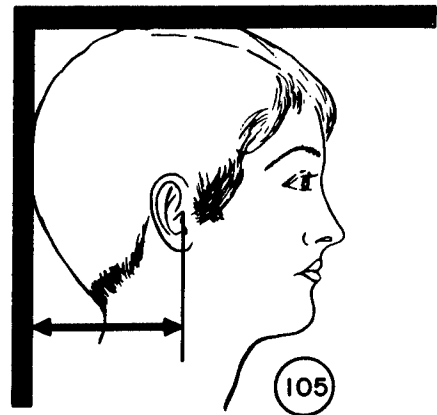
THE PERCENTILES

CENTIMETERS INCHES

24.59 99TH 9.68
24.30 98TH 9.57
24.10 97TH 9.49
23.82 95TH 9.38
23.38 90TH 9.20
23.08 85TH 9.09
22.84 80TH 8.99
22.64 75TH 8.92
22.47 70TH 8.85
22.31 65TH 8.78
22.16 60TH 8.72
22.01 55TH 8.67
21.87 50TH 8.61
21.73 45TH 8.56
21.60 40TH 8.50
21.45 35TH 8.45
21.31 30TH 8.39
21.15 25TH 8.33
20.97 20TH 8.26
20.76 15TH 8.17
20.50 10TH 8.07
20.09 5TH 7.91
19.81 3RD 7.80
19.59 2ND 7.71
19.21 1ST 7.56

(105) TRAGION TO WALL

Subject stands under the headboard looking straight ahead. The headboard is adjusted so that its vertical and horizontal planes are in firm contact with the back and the top of the head. Positioning the head in the Frankfort plane and using the special gauge, measure the horizontal distance from the vertical plane to the right tragion landmark.



RANGES*	F	CUMF	FPCT	CUMPCCT
14.45- 14.65	1	1905	0.05	100.00
14.25- 14.45	0	1904	0.00	99.95
14.05- 14.25	0	1904	0.00	99.95
13.85- 14.05	2	1904	0.10	99.95
13.65- 13.85	0	1902	0.00	99.84
13.45- 13.65	3	1902	0.16	99.84
13.25- 13.45	6	1899	0.31	99.69
13.05- 13.25	1	1893	0.05	99.37
12.85- 13.05	7	1892	0.37	99.32
12.65- 12.85	6	1885	0.31	98.95
12.45- 12.65	7	1879	0.37	98.64
12.25- 12.45	11	1872	0.58	98.27
12.05- 12.25	22	1861	1.15	97.69
11.85- 12.05	23	1839	1.21	96.54
11.65- 11.85	36	1816	1.89	95.33
11.45- 11.65	34	1780	1.78	93.44
11.25- 11.45	38	1746	1.99	91.65
11.05- 11.25	90	1708	4.72	89.66
10.85- 11.05	96	1618	5.04	84.93
10.65- 10.85	101	1522	5.30	79.90
10.45- 10.65	142	1421	7.45	74.59
10.25- 10.45	151	1279	7.93	67.14
10.05- 10.25	207	1128	10.87	59.21
9.85- 10.05	198	921	10.39	48.35
9.65- 9.85	182	723	9.55	37.95
9.45- 9.65	146	541	7.66	28.40
9.25- 9.45	127	395	6.67	20.73
9.05- 9.25	107	268	5.62	14.07
8.85- 9.05	85	161	4.46	8.45
8.65- 8.85	30	76	1.57	3.99
8.45- 8.65	21	46	1.10	2.41
8.25- 8.45	11	25	0.58	1.31
8.05- 8.25	7	14	0.37	0.73
7.85- 8.05	4	7	0.21	0.37
7.65- 7.85	2	3	0.10	0.16
7.45- 7.65	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS INCHES

10.17	MEAN VALUE	4.00
0.02	SE(MEAN)	0.01
0.90	SD DEVIATION	0.35
0.01	SE(SD DEV)	0.01

SYMMETRY---	VETA I =	0.70
KURTOSIS---	VETA II =	4.19
COEF. OF VARIATION	=	8.8%

NUMBER OF SUBJECTS = 1905

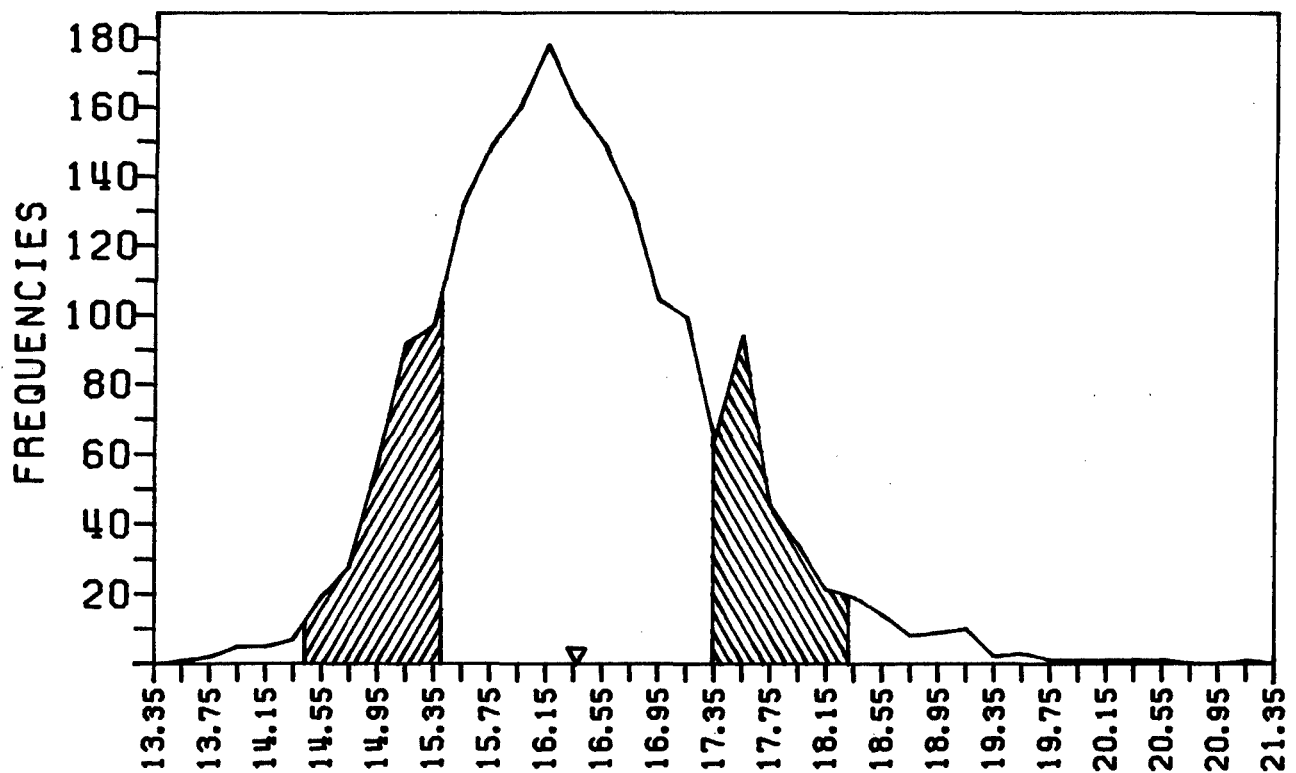
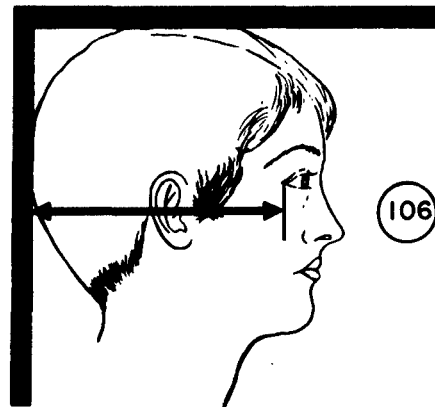
THE PERCENTILES

CENTIMETERS INCHES

12.86	99TH	5.06
12.40	98TH	4.88
12.13	97TH	4.77
11.79	95TH	4.64
11.32	90TH	4.46
11.04	85TH	4.35
10.83	80TH	4.27
10.67	75TH	4.20
10.53	70TH	4.14
10.40	65TH	4.09
10.29	60TH	4.05
10.18	55TH	4.01
10.08	50TH	3.97
9.98	45TH	3.93
9.88	40TH	3.89
9.78	35TH	3.85
9.67	30TH	3.81
9.56	25TH	3.77
9.44	20TH	3.72
9.30	15TH	3.66
9.13	10TH	3.59
8.87	5TH	3.49
8.70	3RD	3.42
8.57	2ND	3.37
8.36	1ST	3.29

(106) ECTOCANTHUS TO WALL

Subject stands under the headboard looking straight ahead. The headboard is adjusted so that its vertical and horizontal planes are in firm contact with the back and the top of the head. Positioning the head in the Frankfort plane and using the special gauge, measure the horizontal distance from the vertical plane to the right ectocanthus.



RANGES*	F	CUMF	FPCT	CUMPCT
21.05- 21.25	1	1905	0.05	100.00
20.85- 21.05	0	1904	0.00	99.95
20.65- 20.85	0	1904	0.00	99.95
20.45- 20.65	1	1904	0.05	99.95
20.25- 20.45	1	1903	0.05	99.90
20.05- 20.25	1	1902	0.05	99.84
19.85- 20.05	1	1901	0.05	99.79
19.65- 19.85	1	1900	0.05	99.74
19.45- 19.65	3	1899	0.16	99.69
19.25- 19.45	2	1896	0.10	99.53
19.05- 19.25	10	1894	0.52	99.42
18.85- 19.05	9	1884	0.47	98.90
18.65- 18.85	8	1875	0.42	98.43
18.45- 18.65	14	1867	0.73	98.01
18.25- 18.45	19	1853	1.00	97.27
18.05- 18.25	21	1834	1.10	96.27
17.85- 18.05	34	1813	1.78	95.17
17.65- 17.85	45	1779	2.36	93.39
17.45- 17.65	94	1734	4.93	91.02
17.25- 17.45	64	1640	3.36	86.09
17.05- 17.25	99	1576	5.20	82.73
16.85- 17.05	104	1477	5.46	77.53
16.65- 16.85	132	1373	6.93	72.07
16.45- 16.65	149	1241	7.82	65.14
16.25- 16.45	160	1092	8.40	57.32
16.05- 16.25	178	932	9.34	48.92
15.85- 16.05	160	754	8.40	39.18
15.65- 15.85	149	594	7.82	31.18
15.45- 15.65	132	445	6.93	23.36
15.25- 15.45	97	313	5.09	16.43
15.05- 15.25	92	216	4.83	11.34
14.85- 15.05	57	124	2.99	6.51
14.65- 14.85	28	67	1.47	3.52
14.45- 14.65	19	39	1.00	2.05
14.25- 14.45	7	20	0.37	1.05
14.05- 14.25	5	13	0.26	0.68
13.85- 14.05	5	8	0.26	0.42
13.65- 13.85	2	3	0.10	0.16
13.45- 13.65	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS INCHES

16.37 MEAN VALUE 6.44
0.02 SE(MEAN) 0.01
0.97 SD DEVIATION 0.38
0.02 SE(SD DEV) 0.01

SYMMETRY---VETA I = 0.56
KURTOSIS---VETA II = 3.83
COEF. OF VARIATION = 5.9%

NUMBER OF SUBJECTS = 1905

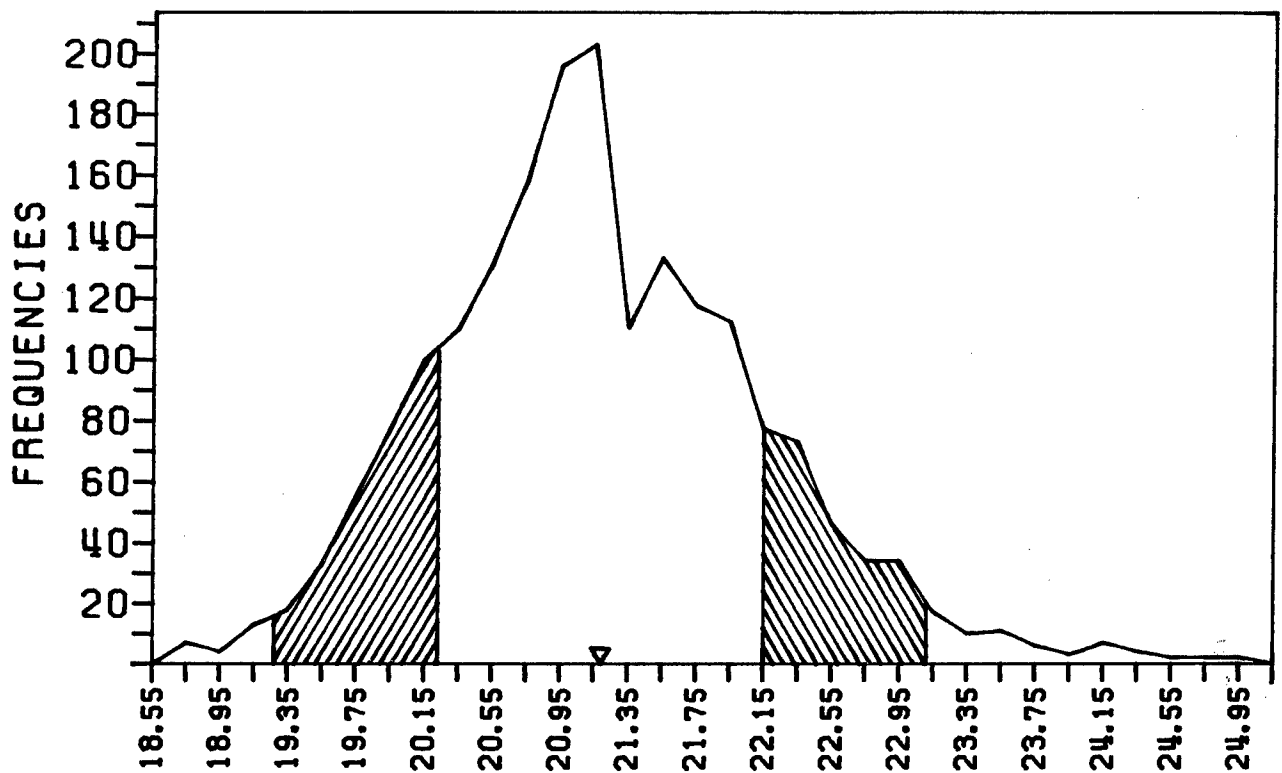
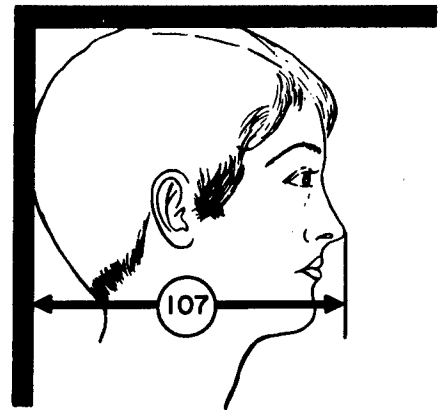
THE PERCENTILES

CENTIMETERS INCHES

19.07	99TH	7.51
18.65	98TH	7.34
18.40	97TH	7.24
18.08	95TH	7.12
17.62	90TH	6.94
17.34	85TH	6.83
17.12	80TH	6.74
16.94	75TH	6.67
16.71	70TH	6.61
16.65	65TH	6.56
16.52	60TH	6.51
16.40	55TH	6.46
16.28	50TH	6.41
16.17	45TH	6.37
16.06	40TH	6.32
15.94	35TH	6.28
15.82	30TH	6.23
15.70	25TH	6.18
15.56	20TH	6.13
15.40	15TH	6.06
15.21	10TH	5.99
14.93	5TH	5.88
14.76	3RD	5.81
14.63	2ND	5.76
14.44	1ST	5.69

(107) PRONASALE TO WALL

Subject stands under the headboard looking straight ahead. The headboard is adjusted so that its vertical and horizontal planes are in firm contact with the back and the top of the head. Positioning the head in the Frankfort plane and using the special gauge, measure the horizontal distance from the vertical plane to pronasale.



RANGES*	F	CUMF	FPCT	CUMPCT
24.85- 25.05	2	1905	0.10	100.00
24.65- 24.85	2	1903	0.10	99.90
24.45- 24.65	2	1901	0.10	99.79
24.25- 24.45	4	1899	0.21	99.69
24.05- 24.25	7	1895	0.37	99.48
23.85- 24.05	3	1888	0.16	99.11
23.65- 23.85	6	1885	0.31	98.95
23.45- 23.65	11	1879	0.58	98.64
23.25- 23.45	10	1868	0.52	98.06
23.05- 23.25	17	1858	0.89	97.53
22.85- 23.05	34	1841	1.78	96.64
22.65- 22.85	34	1807	1.78	94.86
22.45- 22.65	46	1773	2.41	93.07
22.25- 22.45	73	1727	3.83	90.66
22.05- 22.25	77	1654	4.04	86.82
21.85- 22.05	112	1577	5.88	82.78
21.65- 21.85	117	1465	6.14	76.90
21.45- 21.65	133	1348	6.98	70.76
21.25- 21.45	110	1215	5.77	63.78
21.05- 21.25	203	1105	10.66	58.01
20.85- 21.05	196	902	10.29	47.35
20.65- 20.85	158	706	8.29	37.06
20.45- 20.65	131	548	6.88	28.77
20.25- 20.45	110	417	5.77	21.89
20.05- 20.25	100	307	5.25	16.12
19.85- 20.05	77	207	4.04	10.87
19.65- 19.85	55	130	2.89	6.82
19.45- 19.65	33	75	1.73	3.94
19.25- 19.45	18	42	0.94	2.20
19.05- 19.25	13	24	0.68	1.26
18.85- 19.05	4	11	0.21	0.58
18.65- 18.85	7	7	0.37	0.37

*IN CENTIMETERS

CENTIMETERS INCHES

21.1	MEAN VALUE	8.34
0.02	SE(MEAN)	0.01
0.96	SD DEVIATION	0.38
0.02	SE(SD DEV)	0.01

SYMMETRY---	VETA I =	0.47
KURTOSIS---	VETA II =	3.56
COEF. OF VARIATION	=	4.5%

NUMBER OF SUBJECTS = 1905

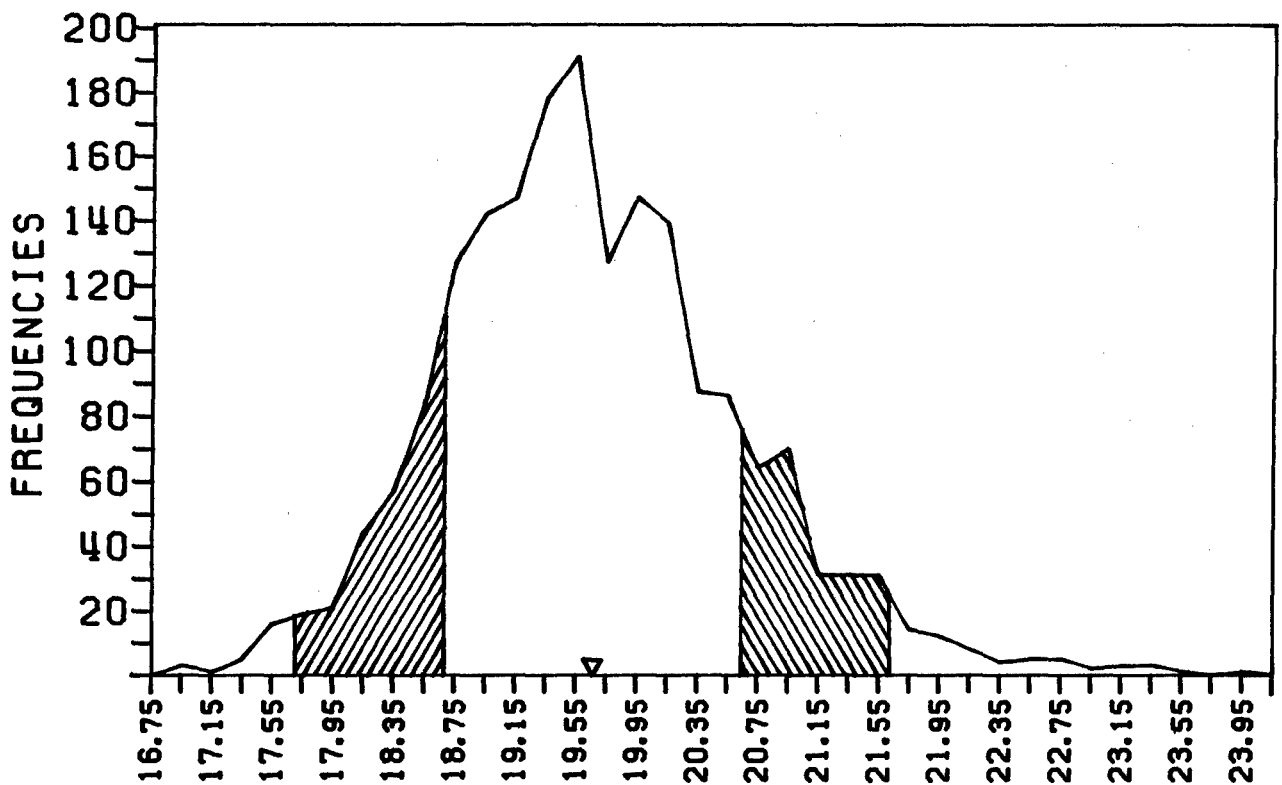
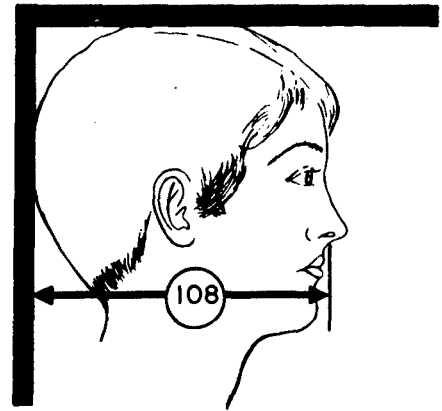
THE PERCENTILES

CENTIMETERS INCHES

23.88	99TH	9.40
23.44	98TH	9.23
23.18	97TH	9.13
22.86	95TH	9.00
22.41	90TH	8.82
22.14	85TH	8.72
21.93	80TH	8.63
21.76	75TH	8.57
21.61	70TH	8.51
21.48	65TH	8.46
21.36	60TH	8.41
21.24	55TH	8.36
21.12	50TH	8.32
21.01	45TH	8.27
20.90	40TH	8.23
20.78	35TH	8.18
20.66	30TH	8.13
20.53	25TH	8.08
20.39	20TH	8.03
20.22	15TH	7.96
20.02	10TH	7.88
19.72	5TH	7.76
19.53	3RD	7.69
19.39	2ND	7.64
19.19	1ST	7.55

(108) SUBNASALE TO WALL

Subject stands under the headboard looking straight ahead. The headboard is adjusted so that its vertical and horizontal planes are in firm contact with the back and the top of the head. Positioning the head in the Frankfort plane and using the special gauge, measure the horizontal distance from the vertical plane to subnasale.



RANGES*	F	CUMF	FPCT	CUMPCT
23.85- 24.05	1	1905	0.05	100.00
23.65- 23.85	0	1904	0.00	99.95
23.45- 23.65	1	1904	0.05	99.95
23.25- 23.45	3	1903	0.16	99.90
23.05- 23.25	3	1900	0.16	99.74
22.85- 23.05	2	1897	0.10	99.58
22.65- 22.85	5	1895	0.26	99.48
22.45- 22.65	5	1890	0.26	99.21
22.25- 22.45	4	1885	0.21	98.95
22.05- 22.25	8	1881	0.42	98.74
21.85- 22.05	12	1873	0.63	98.32
21.65- 21.85	14	1861	0.73	97.69
21.45- 21.65	31	1847	1.63	96.96
21.25- 21.45	31	1816	1.63	95.33
21.05- 21.25	31	1785	1.63	93.70
20.85- 21.05	70	1754	3.67	92.07
20.65- 20.85	64	1684	3.36	88.40
20.45- 20.65	86	1620	4.51	85.04
20.25- 20.45	87	1534	4.57	80.52
20.05- 20.25	139	1447	7.30	75.96
19.85- 20.05	147	1308	7.72	68.66
19.65- 19.85	127	1161	6.67	60.94
19.45- 19.65	191	1034	10.03	54.28
19.25- 19.45	178	843	9.34	44.25
19.05- 19.25	147	665	7.72	34.91
18.85- 19.05	142	518	7.45	27.19
18.65- 18.85	127	376	6.67	19.74
18.45- 18.65	83	249	4.36	13.07
18.25- 18.45	57	166	2.99	8.71
18.05- 18.25	44	109	2.31	5.72
17.85- 18.05	21	65	1.10	3.41
17.65- 17.85	19	44	1.00	2.31
17.45- 17.65	16	25	0.84	1.31
17.25- 17.45	5	9	0.26	0.47
17.05- 17.25	1	4	0.05	0.21
16.85- 17.05	3	3	0.16	0.16

*IN CENTIMETERS

CENTIMETERS INCHES

19.66	MEAN VALUE	7.74
0.02	SE(MEAN)	0.01
0.98	SD DEVIATION	0.39
0.02	SE(SD DEV)	0.01

SYMMETRY---	VETA I =	0.53
KURTOSIS---	VETA II =	3.76
COEF. OF VARIATION	=	5.0%

NUMBER OF SUBJECTS = 1905

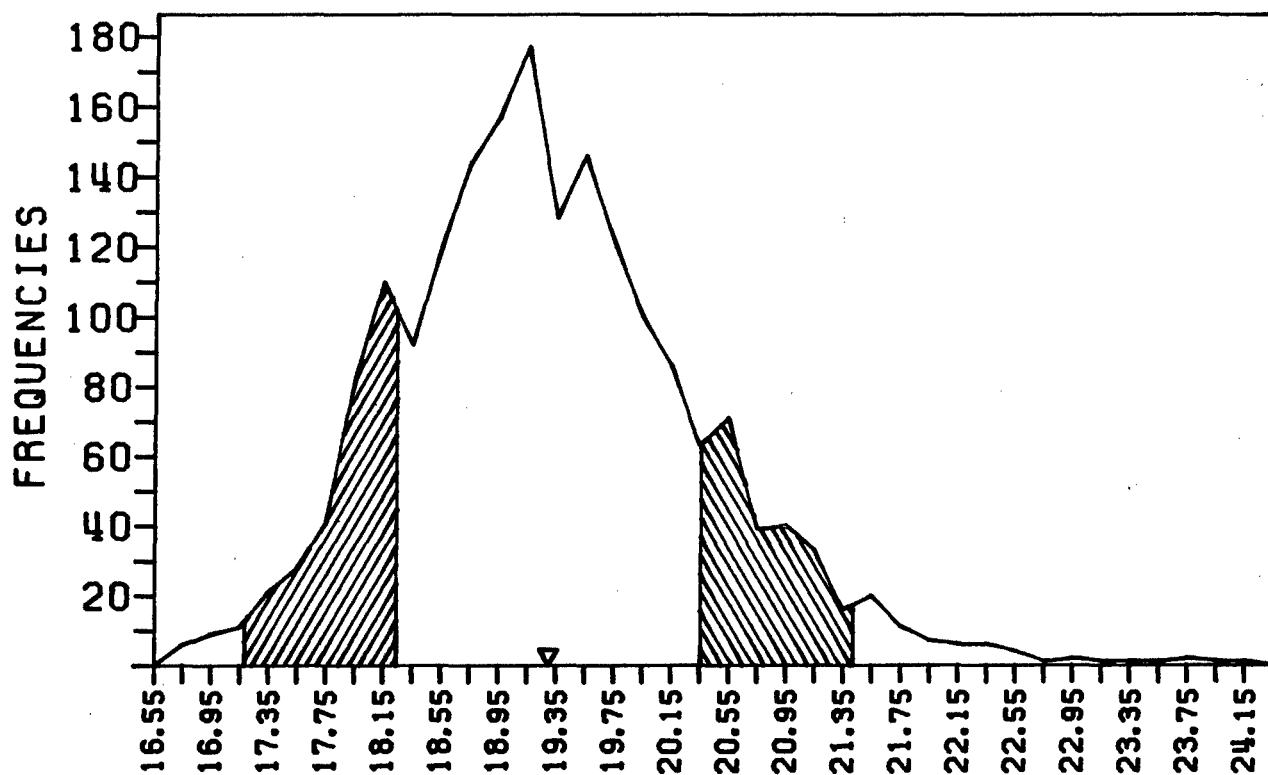
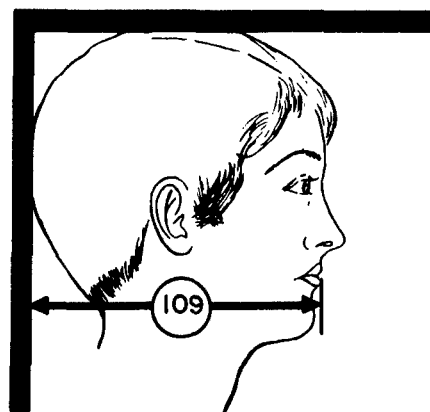
THE PERCENTILES

CENTIMETERS INCHES

22.44	99TH	8.84
21.99	98TH	8.66
21.72	97TH	8.55
21.38	95TH	8.42
20.91	90TH	8.23
20.62	85TH	8.12
20.41	80TH	8.04
20.23	75TH	7.97
20.08	70TH	7.91
19.94	65TH	7.85
19.82	60TH	7.80
19.70	55TH	7.76
19.59	50TH	7.71
19.47	45TH	7.67
19.36	40TH	7.62
19.25	35TH	7.58
19.13	30TH	7.53
19.00	25TH	7.48
18.86	20TH	7.42
18.70	15TH	7.36
18.49	10TH	7.28
18.18	5TH	7.16
17.97	3RD	7.08
17.82	2ND	7.01
17.57	1ST	6.92

(109) LIP PROTRUSION TO WALL

Subject stands under the headboard looking straight ahead. The headboard is adjusted so that its vertical and horizontal planes are in firm contact with the back and the top of the head. Positioning the head in the Frankfort plane and using the special gauge, measure the horizontal distance from the wall to the point of greatest anterior lip protrusion.



RANGES*	F	CUMF	FPCT	CUMPCT
24.05- 24.25	1	1905	0.05	100.00
23.85- 24.05	1	1904	0.05	99.95
23.65- 23.85	2	1903	0.10	99.90
23.45- 23.65	1	1901	0.05	99.79
23.25- 23.45	1	1900	0.05	99.74
23.05- 23.25	1	1899	0.05	99.69
22.85- 23.05	2	1898	0.10	99.63
22.65- 22.85	1	1896	0.05	99.53
22.45- 22.65	4	1895	0.21	99.48
22.25- 22.45	6	1891	0.31	99.27
22.05- 22.25	6	1885	0.31	98.95
21.85- 22.05	7	1879	0.37	98.64
21.65- 21.85	11	1872	0.58	98.27
21.45- 21.65	20	1861	1.05	97.69
21.25- 21.45	16	1841	0.84	96.64
21.05- 21.25	33	1825	1.73	95.80
20.85- 21.05	40	1792	2.10	94.07
20.65- 20.85	39	1752	2.05	91.97
20.45- 20.65	71	1713	3.73	89.92
20.25- 20.45	63	1642	3.31	86.19
20.05- 20.25	86	1579	4.51	82.89
19.85- 20.05	100	1493	5.25	78.37
19.65- 19.85	121	1393	6.35	73.12
19.45- 19.65	146	1272	7.66	66.77
19.25- 19.45	128	1126	6.72	59.11
19.05- 19.25	177	998	9.29	52.39
18.85- 19.05	157	821	8.24	43.10
18.65- 18.85	144	664	7.56	34.86
18.45- 18.65	120	520	6.30	27.30
18.25- 18.45	92	400	4.83	21.00
18.05- 18.25	110	308	5.77	16.17
17.85- 18.05	82	198	4.30	10.39
17.65- 17.85	41	116	2.15	6.09
17.45- 17.65	28	75	1.47	3.94
17.25- 17.45	21	47	1.10	2.47
17.05- 17.25	11	26	0.58	1.36
16.85- 17.05	9	15	0.47	0.79
16.65- 16.85	6	6	0.31	0.31

*IN CENTIMETERS

CENTIMETERS INCHES

19.30 MEAN VALUE 7.60
0.02 SE(MEAN) 0.01
1.06 SD DEVIATION 0.42
0.02 SE(SD DEV) 0.01

SYMMETRY---VETA I = 0.59
KURTOSIS---VETA II = 3.91
COEF. OF VARIATION = 5.5%

NUMBER OF SUBJECTS = 1905

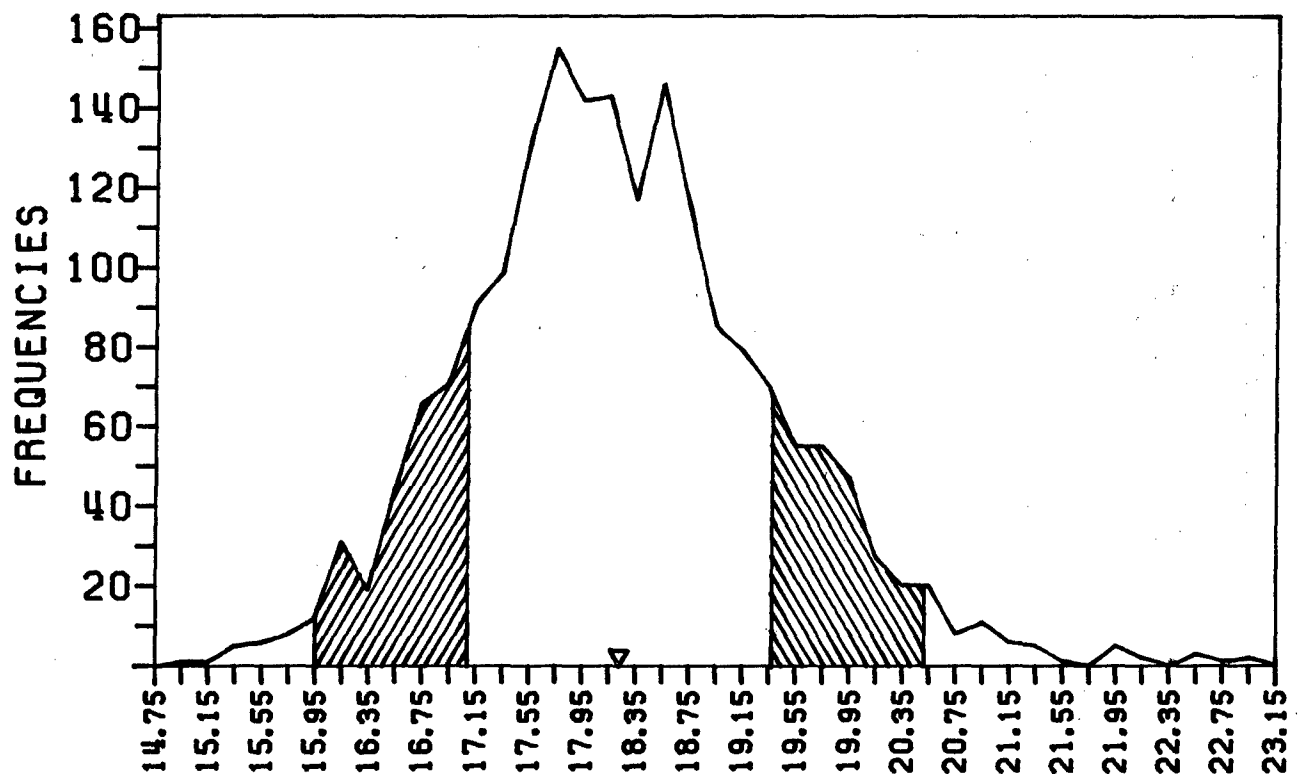
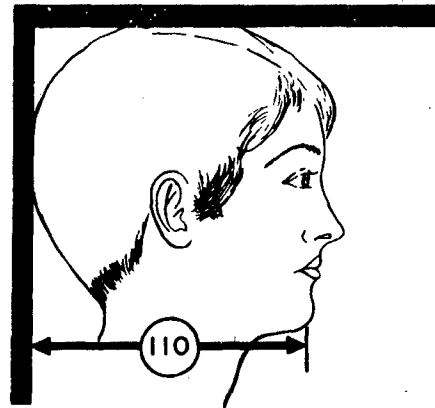
THE PERCENTILES

CENTIMETERS INCHES

22.26	99TH	8.76
21.79	98TH	8.58
21.52	97TH	8.47
21.16	95TH	8.33
20.66	90TH	8.13
20.35	85TH	8.01
20.12	80TH	7.92
19.92	75TH	7.84
19.76	70TH	7.78
19.61	65TH	7.72
19.47	60TH	7.66
19.34	55TH	7.61
19.21	50TH	7.56
19.09	45TH	7.52
18.97	40TH	7.47
18.84	35TH	7.42
18.71	30TH	7.37
18.57	25TH	7.31
18.42	20TH	7.25
18.25	15TH	7.18
18.03	10TH	7.10
17.72	5TH	6.98
17.51	3RD	6.90
17.37	2ND	6.84
17.13	1ST	6.75

(110) MENTON TO WALL

Subject stands under the headboard looking straight ahead. The headboard is adjusted so that its vertical and horizontal planes are in firm contact with the back and the top of the head. Positioning the head in the Frankfort plane and using the special gauge, measure the horizontal distance from the vertical plane to the menton landmark.



RANGES*	F	CUMF	FPCT	CUMPCT
22.85- 23.05	2	1905	0.10	100.00
22.65- 22.85	1	1903	0.05	99.90
22.45- 22.65	3	1902	0.16	99.84
22.25- 22.45	0	1899	0.00	99.69
22.05- 22.25	2	1899	0.10	99.69
21.85- 22.05	5	1897	0.26	99.58
21.65- 21.85	0	1892	0.00	99.32
21.45- 21.65	1	1892	0.05	99.32
21.25- 21.45	5	1891	0.26	99.27
21.05- 21.25	6	1886	0.31	99.00
20.85- 21.05	11	1880	0.58	98.69
20.65- 20.85	8	1869	0.42	98.11
20.45- 20.65	20	1861	1.05	97.69
20.25- 20.45	20	1841	1.05	96.64
20.05- 20.25	27	1821	1.42	95.59
19.85- 20.05	47	1794	2.47	94.17
19.65- 19.85	55	1747	2.89	91.71
19.45- 19.65	55	1692	2.89	88.82
19.25- 19.45	70	1637	3.67	85.93
19.05- 19.25	79	1567	4.15	82.26
18.85- 19.05	85	1488	4.46	78.11
18.65- 18.85	115	1403	6.04	73.65
18.45- 18.65	146	1288	7.66	67.61
18.25- 18.45	117	1142	6.14	59.95
18.05- 18.25	143	1025	7.51	53.81
17.85- 18.05	142	882	7.45	46.30
17.65- 17.85	155	740	8.14	38.85
17.45- 17.65	131	585	6.88	30.71
17.25- 17.45	99	454	5.20	23.83
17.05- 17.25	91	355	4.78	18.64
16.85- 17.05	71	264	3.73	13.86
16.65- 16.85	66	193	3.46	10.13
16.45- 16.65	44	127	2.31	6.67
16.25- 16.45	19	83	1.00	4.36
16.05- 16.25	31	64	1.63	3.36
15.85- 16.05	12	33	0.63	1.73
15.65- 15.85	8	21	0.42	1.10
15.45- 15.65	6	13	0.31	0.68
15.25- 15.45	5	7	0.26	0.37
15.05- 15.25	1	2	0.05	0.10
14.85- 15.05	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS INCHES

18.23	MEAN VALUE	7.18
0.03	SE(MEAN)	0.01
1.14	SD DEVIATION	0.45
0.02	SE(SD DEV)	0.01

SYMMETRY---	VETA I =	0.43
KURTOSIS---	VETA II =	3.63
COEF. OF VARIATION	=	6.2%

NUMBER OF SUBJECTS = 1905

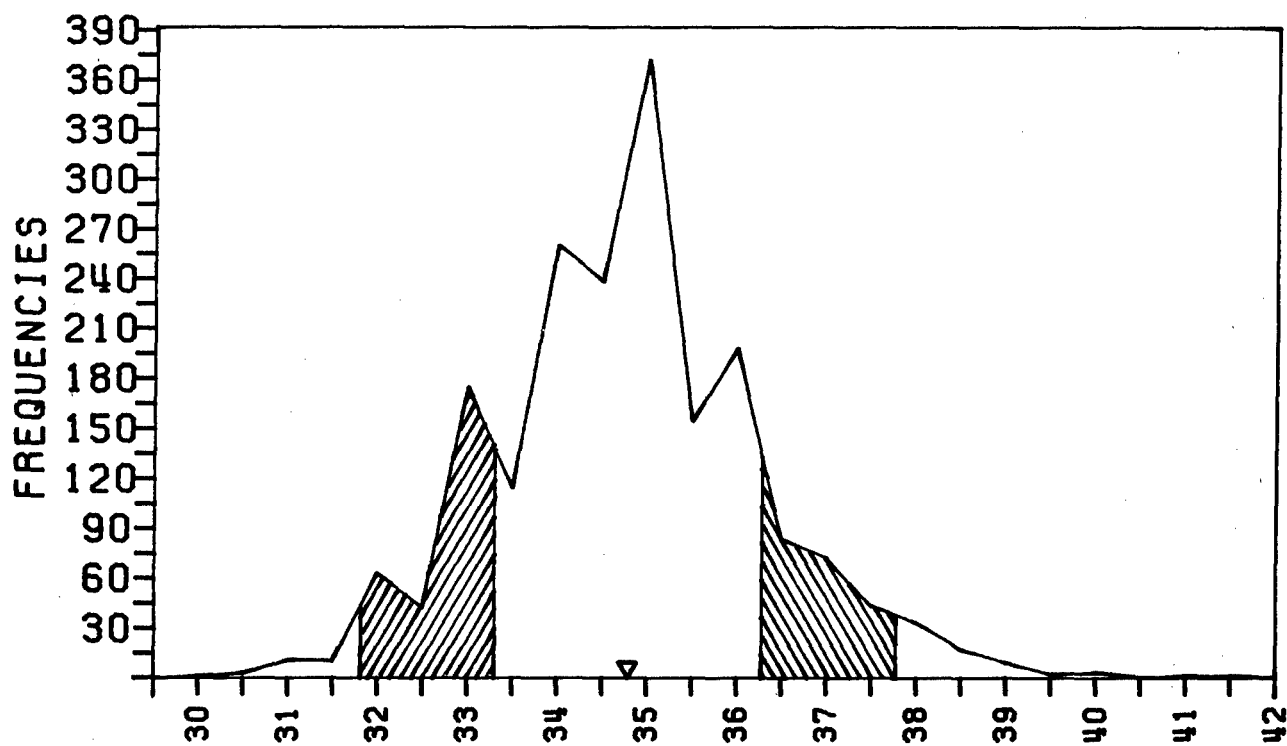
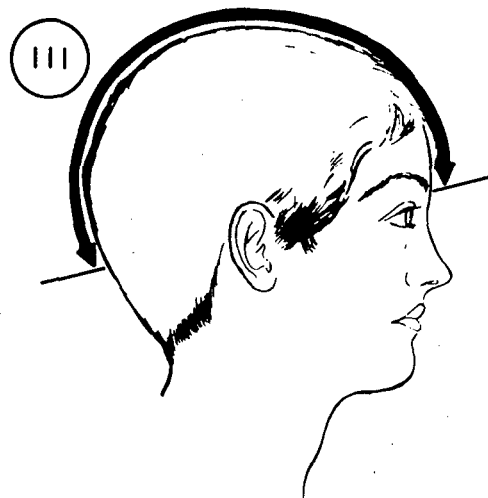
THE PERCENTILES

CENTIMETERS INCHES

21.24	99TH	8.36
20.80	98TH	8.19
20.54	97TH	8.09
20.19	95TH	7.95
19.69	90TH	7.75
19.37	85TH	7.63
19.13	80TH	7.53
18.93	75TH	7.45
18.75	70TH	7.38
18.59	65TH	7.32
18.44	60TH	7.26
18.30	55TH	7.20
18.16	50TH	7.15
18.03	45TH	7.10
17.89	40TH	7.04
17.76	35TH	6.99
17.61	30TH	6.93
17.46	25TH	6.87
17.29	20TH	6.81
17.10	15TH	6.73
16.85	10TH	6.63
16.49	5TH	6.49
16.25	3RD	6.40
16.07	2ND	6.33
15.79	1ST	6.22

(III) SAGITTAL CURVATURE

Subject sits. With a tape held as close to the scalp as possible, measure the surface distance in the midsagittal plane from the glabella landmark to nuchale.



CENTIMETERS

INCHES

34.79 MEAN VALUE 13.70
 0.03 SE(MEAN) 0.01
 1.49 SD DEVIATION 0.59
 0.02 SE(SD DEV) 0.01

SYMMETRY---VETA I = 0.28
 KURTOSIS---VETA II = 3.58
 COEF. OF VARIATION = 4.3%

NUMBER OF SUBJECTS = 1905

THE PERCENTILES

CENTIMETERS

INCHES

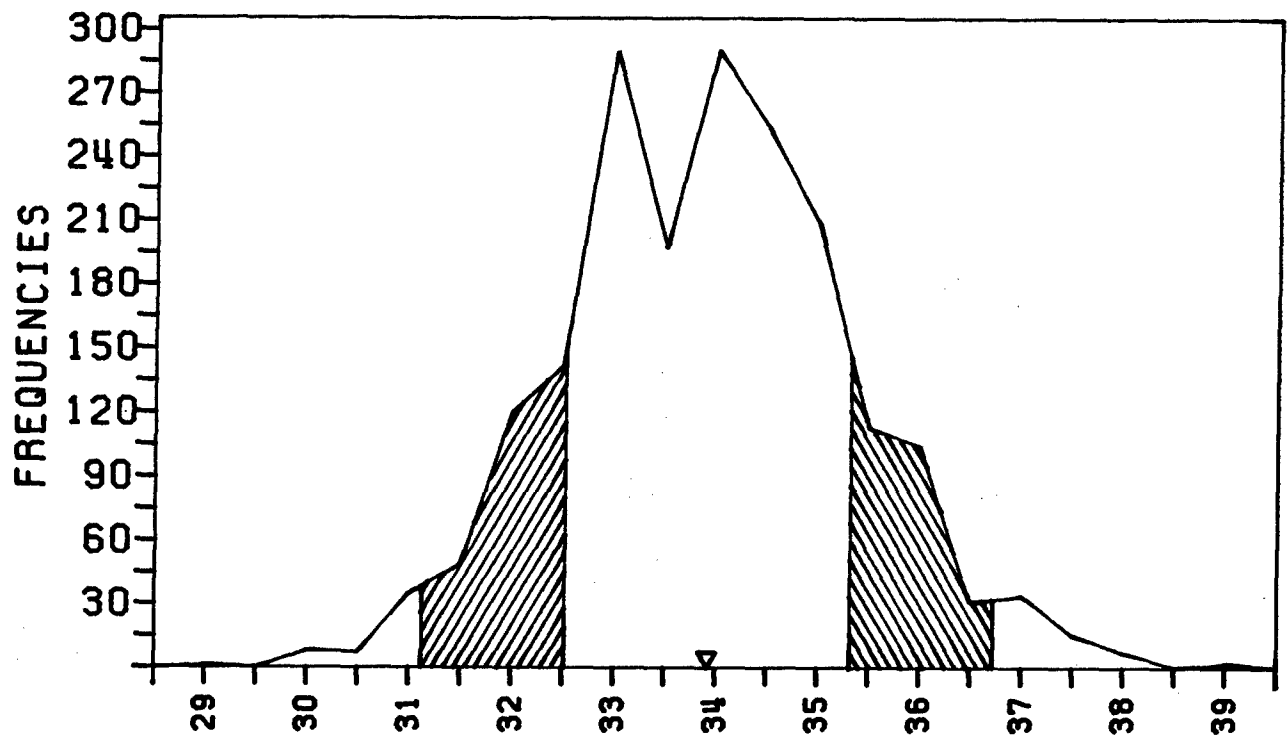
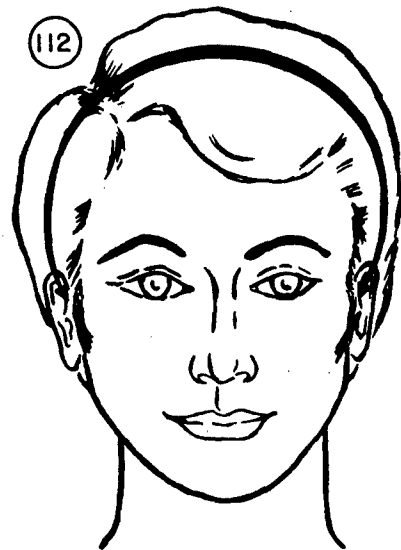
38.75	99TH	15.26
38.14	98TH	15.02
37.79	97TH	14.88
37.33	95TH	14.70
36.68	90TH	14.44
36.28	85TH	14.28
35.97	80TH	14.16
35.71	75TH	14.06
35.49	70TH	13.97
35.29	65TH	13.89
35.10	60TH	13.82
34.91	55TH	13.75
34.73	50TH	13.68
34.56	45TH	13.61
34.38	40TH	13.53
34.19	35TH	13.46
34.00	30TH	13.39
33.79	25TH	13.30
33.55	20TH	13.21
33.28	15TH	13.10
32.93	10TH	12.96
32.41	5TH	12.76
32.07	3RD	12.62
31.81	2ND	12.53
31.42	1ST	12.37

RANGES*	F	CUMF	FPCT	CUMPCT
41.25- 41.75	1	1905	0.05	100.00
40.75- 41.25	1	1904	0.05	99.95
40.25- 40.75	0	1903	0.00	99.90
39.75- 40.25	3	1903	0.16	99.90
39.25- 39.75	2	1900	0.10	99.74
38.75- 39.25	9	1898	0.47	99.63
38.25- 38.75	17	1889	0.89	99.16
37.75- 38.25	33	1872	1.73	98.27
37.25- 37.75	43	1839	2.26	96.54
36.75- 37.25	72	1796	3.78	94.28
36.25- 36.75	83	1724	4.36	90.50
35.75- 36.25	198	1641	10.39	86.14
35.25- 35.75	154	1443	8.08	75.75
34.75- 35.25	372	1289	19.53	67.66
34.25- 34.75	238	917	12.49	48.14
33.75- 34.25	260	679	13.65	35.64
33.25- 33.75	114	419	5.98	21.99
32.75- 33.25	175	305	9.19	16.01
32.25- 32.75	42	130	2.20	6.82
31.75- 32.25	63	88	3.31	4.62
31.25- 31.75	10	25	0.52	1.31
30.75- 31.25	11	15	0.58	0.79
30.25- 30.75	3	4	0.16	0.21
29.75- 30.25	1	1	0.05	0.05

*IN CENTIMETERS

(112) BITRAGION-CORONAL CURVATURE

Subject sits. With a tape held as close to the scalp as possible, measure the surface distance in a coronal plane from the left to the right trignon landmark.



CENTIMETERS

INCHES

33.92	MEAN VALUE	13.36
0.03	SE(MEAN)	0.01
1.40	SD DEVIATION	0.55
0.02	SE(SD DEV)	0.01

SYMMETRY---	VETA I =	0.14
KURTOSIS---	VETA II =	3.13
COEF. OF VARIATION	=	4.1%

NUMBER OF SUBJECTS = 1905

THE PERCENTILES

CENTIMETERS

INCHES

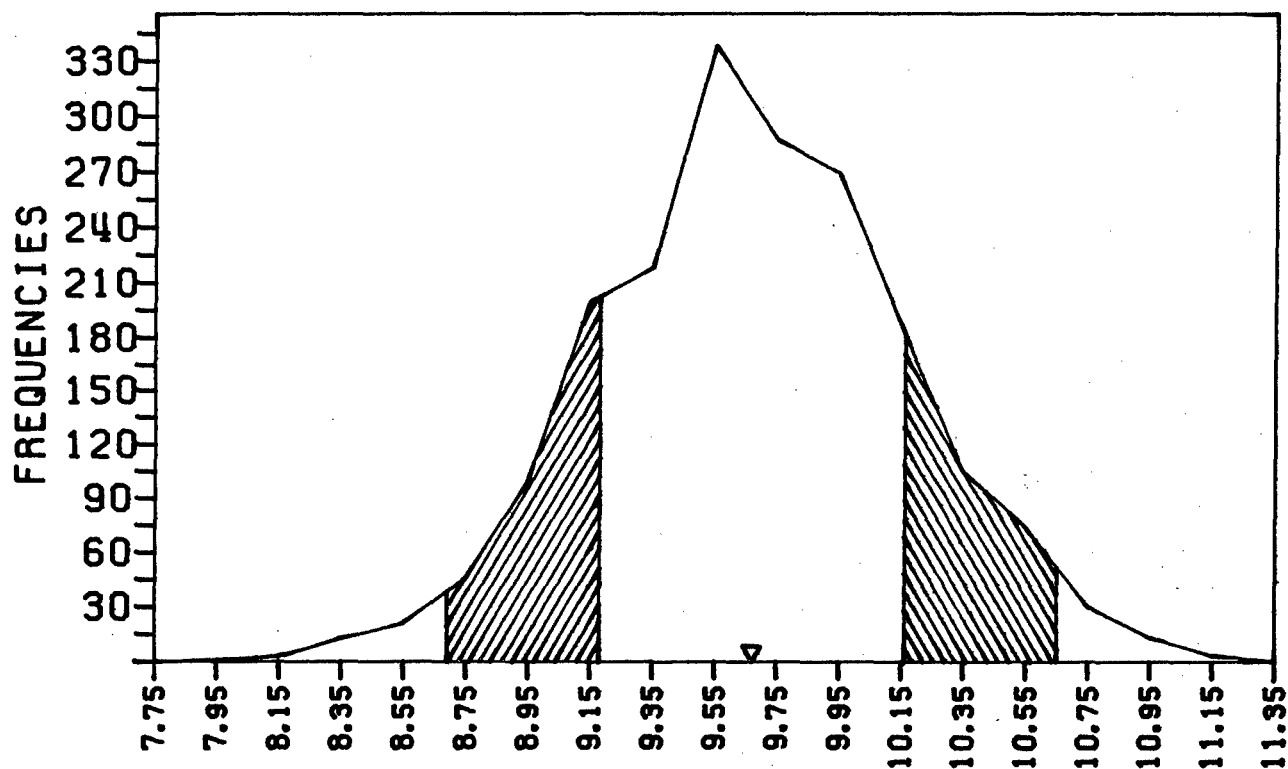
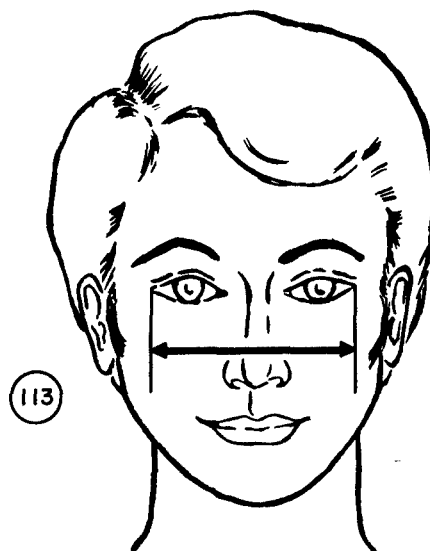
37.46	99TH	14.75
36.98	98TH	14.56
36.69	97TH	14.45
36.31	95TH	14.29
35.74	90TH	14.07
35.37	85TH	13.93
35.09	80TH	13.81
34.84	75TH	13.72
34.63	70TH	13.63
34.43	65TH	13.56
34.25	60TH	13.48
34.07	55TH	13.41
33.89	50TH	13.34
33.72	45TH	13.27
33.54	40TH	13.20
33.36	35TH	13.13
33.17	30TH	13.06
32.96	25TH	12.98
32.73	20TH	12.89
32.47	15TH	12.78
32.14	10TH	12.65
31.65	5TH	12.46
31.34	3RD	12.34
31.11	2ND	12.25
30.77	1ST	12.11

RANGES*	F	CUMF	FPCT	CUMPCT
38.75- 39.25	2	1905	0.10	100.00
38.25- 38.75	0	1903	0.00	99.90
37.75- 38.25	7	1903	0.37	99.90
37.25- 37.75	15	1896	0.79	99.53
36.75- 37.25	34	1881	1.78	98.74
36.25- 36.75	31	1847	1.63	96.96
35.75- 36.25	104	1816	5.46	95.33
35.25- 35.75	112	1712	5.88	89.87
34.75- 35.25	208	1600	10.92	83.99
34.25- 34.75	253	1392	13.28	73.07
33.75- 34.25	290	1139	15.22	59.79
33.25- 33.75	197	849	10.34	44.57
32.75- 33.25	290	652	15.22	34.23
32.25- 32.75	142	362	7.45	19.00
31.75- 32.25	120	220	6.30	11.55
31.25- 31.75	49	100	2.57	5.25
30.75- 31.25	35	51	1.84	2.68
30.25- 30.75	7	16	0.37	0.84
29.75- 30.25	8	9	0.42	0.47
29.25- 29.75	0	1	0.00	0.05
28.75- 29.25	1	1	0.05	0.05

*IN CENTIMETERS

(113) BIOCLULAR BREADTH

Subject sits. With a sliding caliper, measure the breadth of the face between the right and left ectocanthi.



CENTIMETERS INCHES

9.67 MEAN VALUE 3.81
0.01 SE(MEAN) 0.00
0.49 SD DEVIATION 0.19
0.01 SE(SD DEV) 0.00

SYMMETRY---VETA I = -0.01
KURTOSIS---VETA II = 3.00
COEF. OF VARIATION = 5.1%

RANGES*	F	CUMF	FPCT	CUMPT
11.05- 11.25	3	1905	0.16	100.00
10.85- 11.05	13	1902	0.68	99.84
10.65- 10.85	30	1889	1.57	99.16
10.45- 10.65	74	1859	3.88	97.59
10.25- 10.45	105	1785	5.51	93.70
10.05- 10.25	186	1680	9.76	88.19
9.85- 10.05	268	1494	14.07	78.43
9.65- 9.85	286	1226	15.01	64.36
9.45- 9.65	338	940	17.74	49.34
9.25- 9.45	218	602	11.44	31.60
9.05- 9.25	200	384	10.50	20.16
8.85- 9.05	100	184	5.25	9.66
8.65- 8.85	46	84	2.41	4.41
8.45- 8.65	21	38	1.10	1.99
8.25- 8.45	13	17	0.68	0.89
8.05- 8.25	3	4	0.16	0.21
7.85- 8.05	1	1	0.05	0.05

NUMBER OF SUBJECTS = 1905

THE PERCENTILES

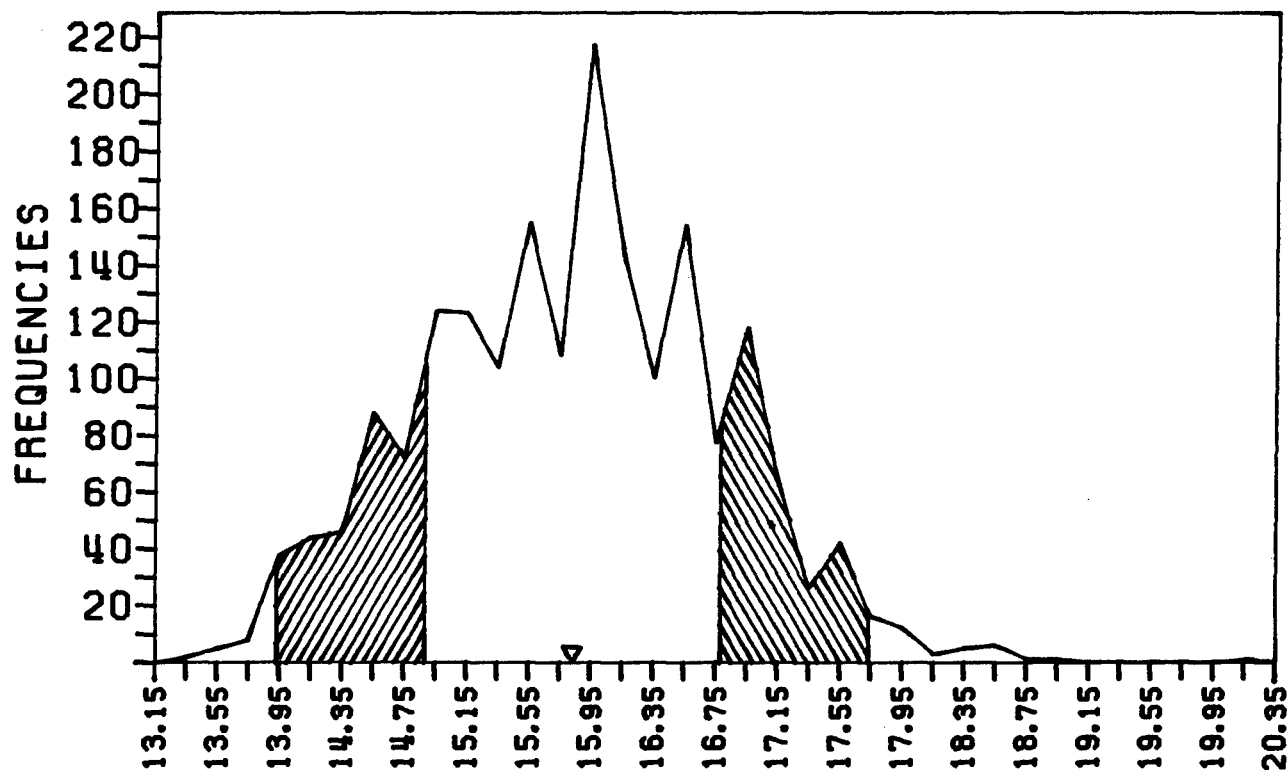
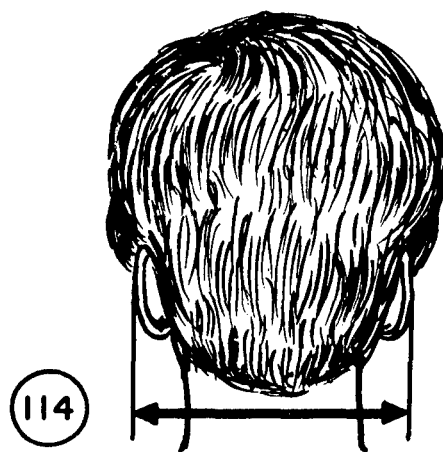
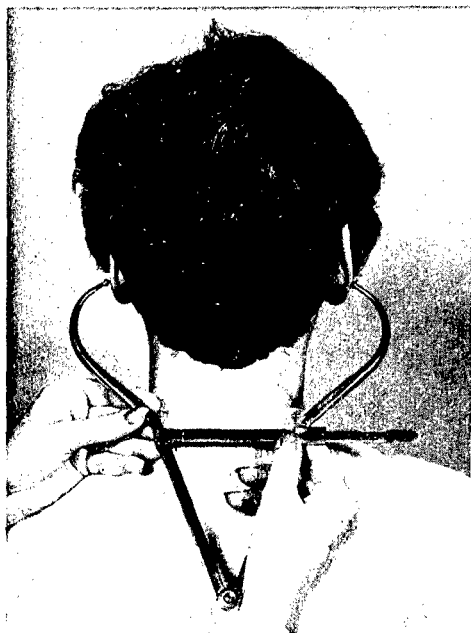
CENTIMETERS INCHES

10.83	99TH	4.26
10.71	98TH	4.21
10.62	97TH	4.18
10.51	95TH	4.14
10.32	90TH	4.06
10.19	85TH	4.01
10.09	80TH	3.97
10.00	75TH	3.94
9.93	70TH	3.91
9.86	65TH	3.88
9.79	60TH	3.85
9.73	55TH	3.83
9.66	50TH	3.80
9.60	45TH	3.78
9.54	40TH	3.76
9.48	35TH	3.73
9.41	30TH	3.71
9.34	25TH	3.68
9.26	20TH	3.65
9.17	15TH	3.61
9.05	10TH	3.56
8.87	5TH	3.49
8.74	3RD	3.44
8.64	2ND	3.40
8.47	1ST	3.34

*IN CENTIMETERS

(114) BIAURICULAR BREADTH

Subject sits. With a spreading caliper, measure the distance from the most lateral point of the right ear to the corresponding point of the left ear. Use minimum pressure in applying the caliper.



RANGES*	F	CUMF	FPCT	CUMFCT
20.05- 20.25	1	1905	0.05	100.00
19.85- 20.05	0	1904	0.00	99.95
19.65- 19.85	0	1904	0.00	99.95
19.45- 19.65	0	1904	0.00	99.95
19.25- 19.45	0	1904	0.00	99.95
19.05- 19.25	0	1904	0.00	99.95
18.85- 19.05	1	1904	0.05	99.95
18.65- 18.85	1	1903	0.05	99.90
18.45- 18.65	6	1902	0.31	99.84
18.25- 18.45	5	1896	0.26	99.53
18.05- 18.25	3	1891	0.16	99.27
17.85- 18.05	12	1888	0.63	99.11
17.65- 17.85	16	1876	0.84	98.48
17.45- 17.65	42	1860	2.20	97.64
17.25- 17.45	26	1818	1.36	95.43
17.05- 17.25	64	1792	3.36	94.07
16.85- 17.05	118	1728	6.19	90.71
16.65- 16.85	77	1610	4.04	84.51
16.45- 16.65	154	1533	8.08	80.47
16.25- 16.45	100	1379	5.25	72.39
16.05- 16.25	145	1279	7.61	67.14
15.85- 16.05	217	1134	11.39	59.53
15.65- 15.85	108	917	5.67	48.14
15.45- 15.65	155	809	8.14	42.47
15.25- 15.45	104	654	5.46	34.33
15.05- 15.25	123	550	6.46	28.87
14.85- 15.05	124	427	6.51	22.41
14.65- 14.85	72	303	3.78	15.91
14.45- 14.65	88	231	4.62	12.13
14.25- 14.45	46	143	2.41	7.51
14.05- 14.25	44	97	2.31	5.09
13.85- 14.05	38	53	1.99	2.78
13.65- 13.85	8	15	0.42	0.79
13.45- 13.65	5	7	0.26	0.37
13.25- 13.45	2	2	0.10	0.10

*IN CENTIMETERS

CENTIMETERS	INCHES
15.83	MEAN VALUE 6.23
0.02	SE(MEAN) 0.01
0.95	SD DEVIATION 0.37
0.02	SE(SD DEV) 0.01

SYMMETRY---VETA I = 0.10
 KURTOSIS---VETA II = 2.82
 COEF. OF VARIATION = 6.0%

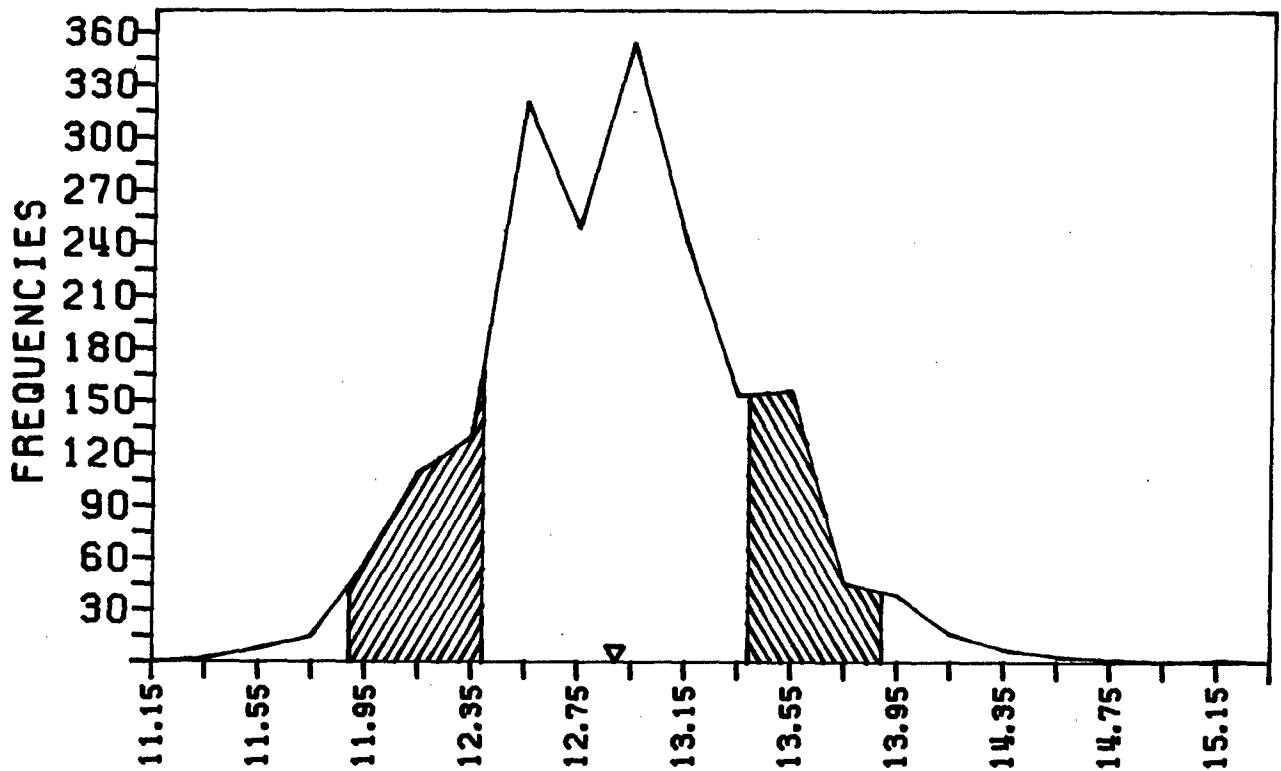
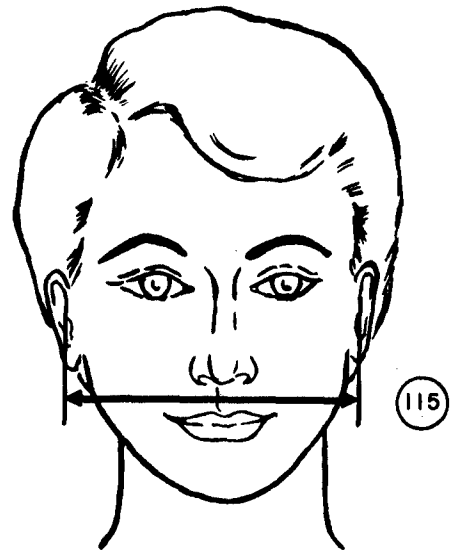
NUMBER OF SUBJECTS = 1905

THE PERCENTILES

CENTIMETERS	INCHES
18.02	99TH 7.09
17.75	98TH 6.99
17.59	97TH 6.92
17.37	95TH 6.84
17.05	90TH 6.71
16.83	85TH 6.63
16.66	80TH 6.56
16.50	75TH 6.50
16.36	70TH 6.44
16.23	65TH 6.39
16.10	60TH 6.34
15.97	55TH 6.29
15.84	50TH 6.24
15.72	45TH 6.19
15.59	40TH 6.14
15.45	35TH 6.08
15.31	30TH 6.03
15.15	25TH 5.97
14.98	20TH 5.90
14.79	15TH 5.82
14.55	10TH 5.73
14.24	5TH 5.61
14.08	3RD 5.54
13.98	2ND 5.50
13.87	1ST 5.46

(115) BITRAGON BREADTH

Subject sits. With a spreading caliper, measure the breadth of the head between the right and left tragon landmarks.



CENTIMETERS INCHES

12.89 MEAN VALUE 5.07
 0.01 SE(MEAN) 0.00
 0.50 SD DEVIATION 0.20
 0.01 SE(SD DEV) 0.00

SYMMETRY---VETA I = 0.21
 KURTOSIS---VETA II = 3.29
 COEF. OF VARIATION = 3.9%

NUMBER OF SUBJECTS = 1905

THE PERCENTILES

CENTIMETERS INCHES

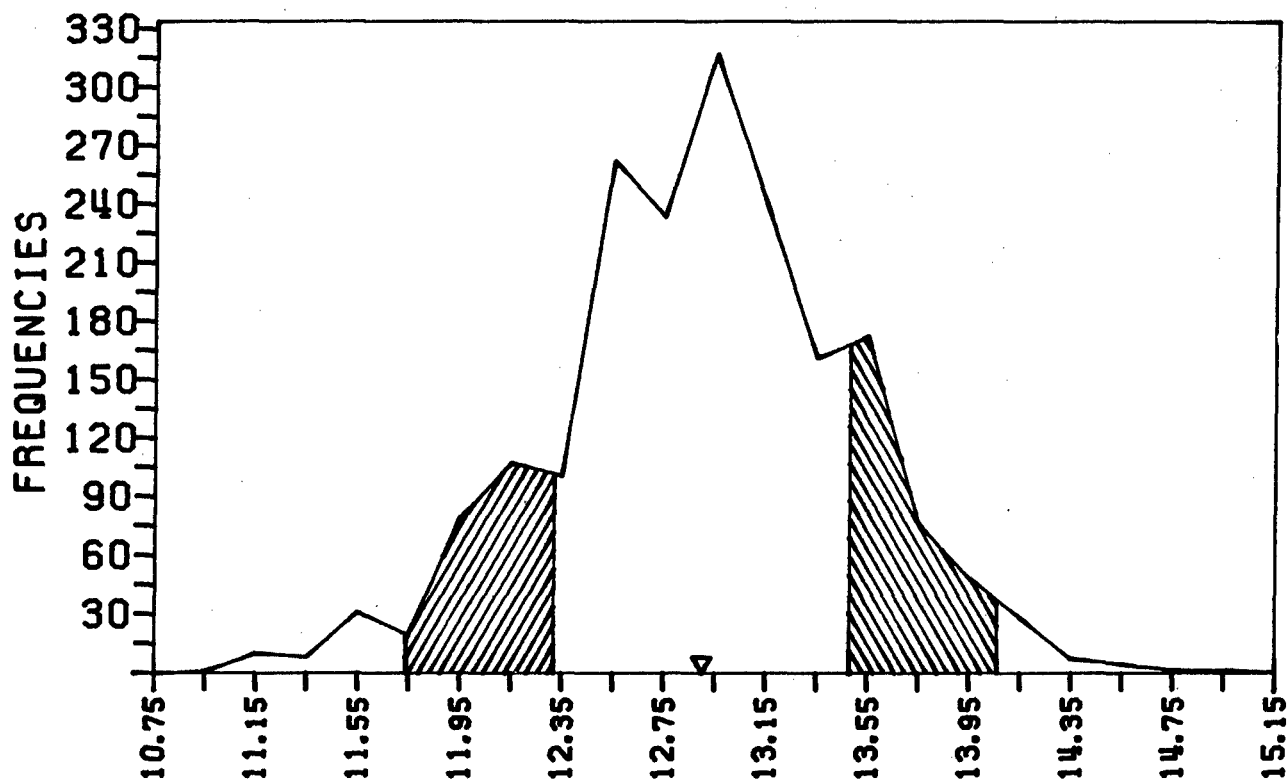
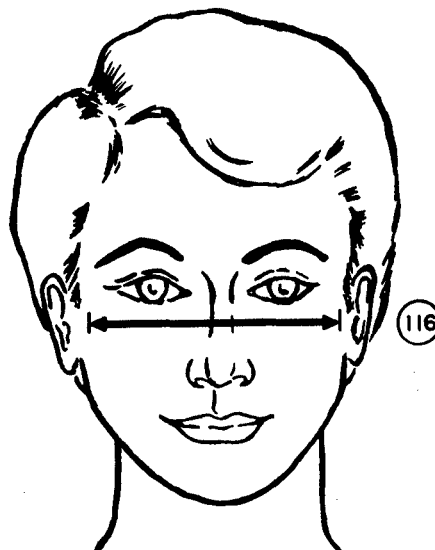
14.17	99TH	5.58
13.99	98TH	5.51
13.88	97TH	5.47
13.74	95TH	5.41
13.54	90TH	5.33
13.40	85TH	5.28
13.30	80TH	5.24
13.21	75TH	5.20
13.14	70TH	5.17
13.07	65TH	5.14
13.00	60TH	5.12
12.94	55TH	5.09
12.87	50TH	5.07
12.81	45TH	5.04
12.75	40TH	5.02
12.69	35TH	4.99
12.62	30TH	4.97
12.55	25TH	4.94
12.47	20TH	4.91
12.37	15TH	4.87
12.26	10TH	4.83
12.09	5TH	4.76
11.97	3RD	4.71
11.89	2ND	4.68
11.76	1ST	4.63

RANGES*	F	CUMF	FPCT	CUMPT
15.05- 15.25	1	1905	0.05	100.00
14.85- 15.05	0	1904	0.00	99.95
14.65- 14.85	1	1904	0.05	99.95
14.45- 14.65	3	1903	0.16	99.90
14.25- 14.45	7	1900	0.37	99.74
14.05- 14.25	16	1893	0.84	99.37
13.85- 14.05	38	1877	1.99	98.53
13.65- 13.85	45	1839	2.36	96.54
13.45- 13.65	156	1794	8.19	94.17
13.25- 13.45	153	1638	8.03	85.98
13.05- 13.25	242	1485	12.70	77.95
12.85- 13.05	354	1243	18.58	65.25
12.65- 12.85	248	889	13.02	46.67
12.45- 12.65	320	641	16.80	33.65
12.25- 12.45	130	321	6.82	16.85
12.05- 12.25	109	191	5.72	10.03
11.85- 12.05	57	82	2.99	4.30
11.65- 11.85	15	25	0.79	1.31
11.45- 11.65	8	10	0.42	0.52
11.25- 11.45	2	2	0.10	0.10

*IN CENTIMETERS

(116) BIZYGOMATIC BREADTH

Subject sits. With a spreading caliper, measure the maximum horizontal breadth of the face between the zygomatic arches.



CENTIMETERS

INCHES

12.90 MEAN VALUE 5.08
 0.01 SE(MEAN) 0.01
 0.58 SD DEVIATION 0.23
 0.01 SE(SD DEV) 0.00

SYMMETRY---VETA I = -0.17
 KURTOSIS---VETA II = 3.28
 COEF. OF VARIATION = 4.5%

NUMBER OF SUBJECTS = 1905

THE PERCENTILES

CENTIMETERS

INCHES

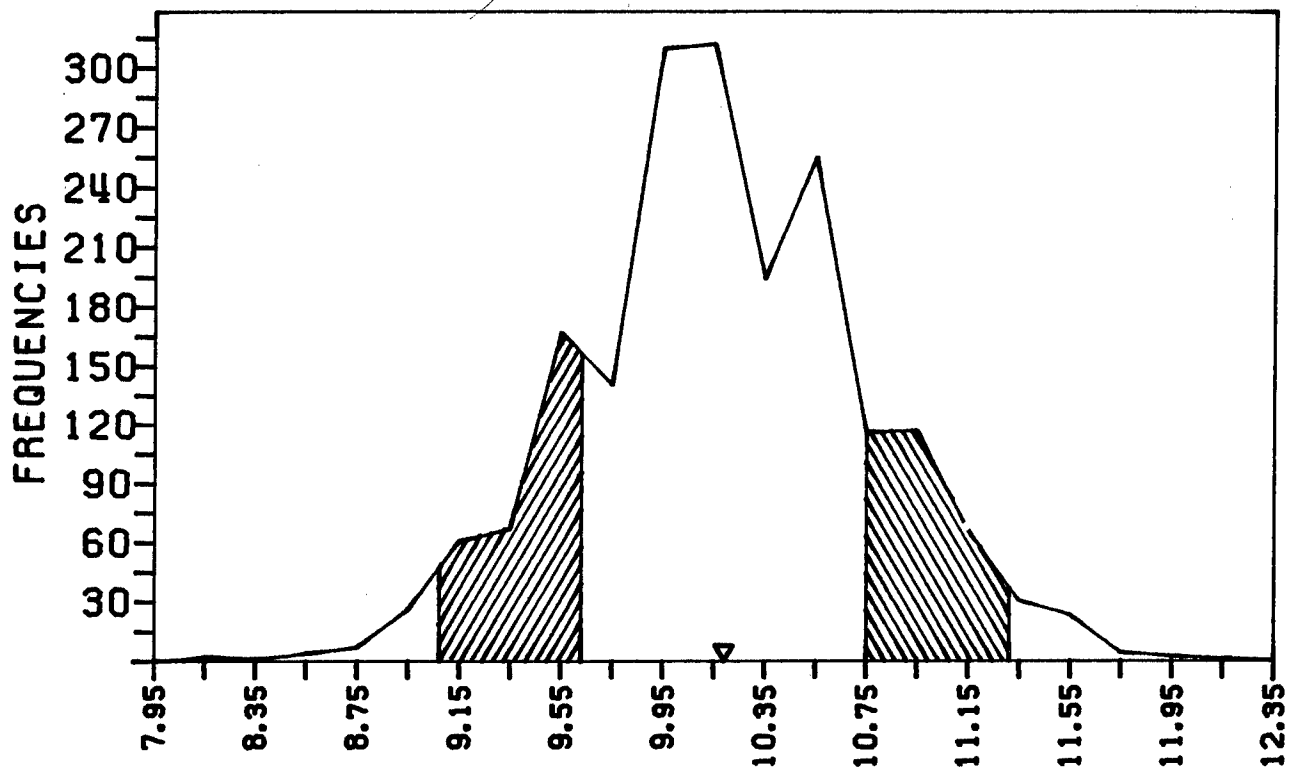
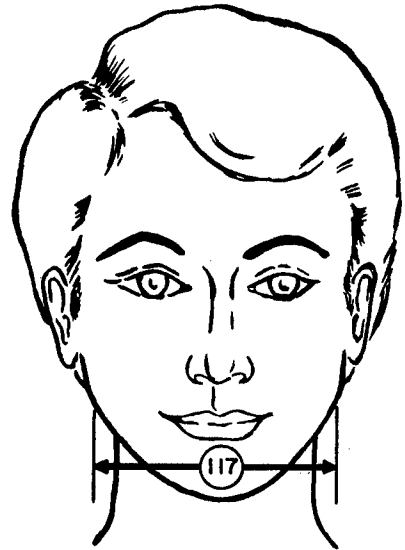
CENTIMETERS	PERCENTILE	INCHES
14.22	99TH	5.60
14.06	98TH	5.54
13.96	97TH	5.50
13.83	95TH	5.44
13.63	90TH	5.36
13.49	85TH	5.31
13.38	80TH	5.27
13.29	75TH	5.23
13.21	70TH	5.20
13.13	65TH	5.17
13.06	60TH	5.14
12.99	55TH	5.11
12.91	50TH	5.08
12.84	45TH	5.06
12.77	40TH	5.03
12.69	35TH	5.00
12.61	30TH	4.97
12.53	25TH	4.93
12.42	20TH	4.89
12.31	15TH	4.84
12.15	10TH	4.78
11.91	5TH	4.69
11.74	3RD	4.62
11.62	2ND	4.57
11.41	1ST	4.49

RANGES*	F	CUMF	FPCT	CUMPCT
14.85- 15.05	1	1905	0.05	100.00
14.65- 14.85	1	1904	0.05	99.95
14.45- 14.65	4	1903	0.21	99.90
14.25- 14.45	7	1899	0.37	99.69
14.05- 14.25	28	1892	1.47	99.32
13.85- 14.05	48	1864	2.52	97.85
13.65- 13.85	76	1816	3.99	95.33
13.45- 13.65	172	1740	9.03	91.34
13.25- 13.45	161	1568	8.45	82.31
13.05- 13.25	240	1407	12.60	73.86
12.85- 13.05	317	1167	16.64	61.26
12.65- 12.85	233	850	12.23	44.62
12.45- 12.65	262	617	13.75	32.39
12.25- 12.45	100	355	5.25	18.64
12.05- 12.25	107	255	5.62	13.39
11.85- 12.05	79	148	4.15	7.77
11.65- 11.85	19	69	1.00	3.62
11.45- 11.65	31	50	1.63	2.62
11.25- 11.45	8	19	0.42	1.00
11.05- 11.25	10	11	0.52	0.58
10.85- 11.05	1	1	0.05	0.05

*IN CENTIMETERS

(117) BIGONIAL BREADTH

Subject sits. With a spreading caliper, measure the maximum horizontal breadth of the jaw between the right and left gonial angles. Use minimum pressure in applying the caliper.



CENTIMETERS

INCHES

10.19 MEAN VALUE 4.01
 0.01 SE (MEAN) 0.01
 0.56 SD DEVIATION 0.22
 0.01 SE (SD DEV) 0.00

SYMMETRY---VETA I = 0.04
 KURTOSIS---VETA II = 3.13
 COEF. OF VARIATION = 5.5%

NUMBER OF SUBJECTS = 1905

THE PERCENTILES

CENTIMETERS

INCHES

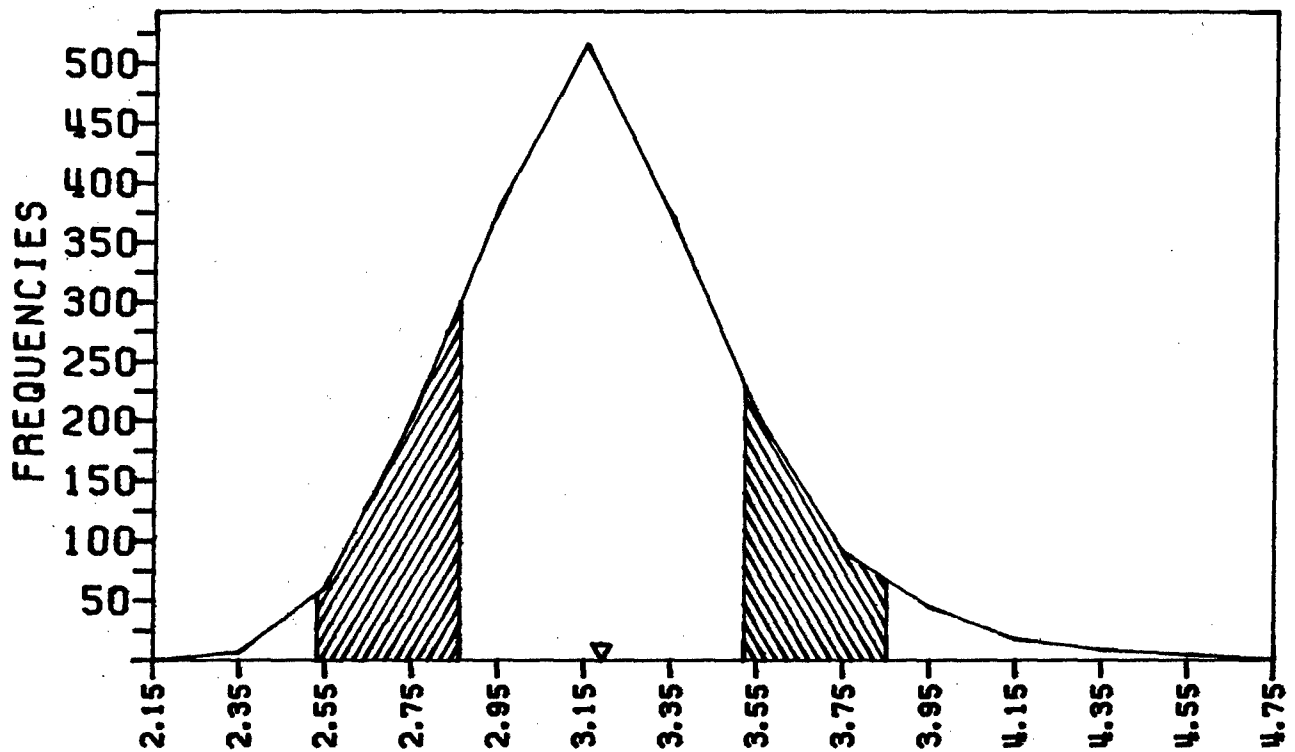
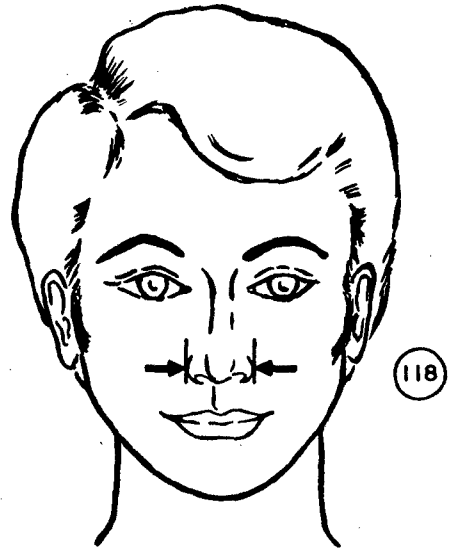
11.56	99TH	4.55
11.39	98TH	4.48
11.28	97TH	4.44
11.13	95TH	4.38
10.92	90TH	4.30
10.77	85TH	4.24
10.66	80TH	4.20
10.56	75TH	4.16
10.47	70TH	4.12
10.39	65TH	4.09
10.32	60TH	4.06
10.25	55TH	4.03
10.18	50TH	4.01
10.11	45TH	3.98
10.04	40TH	3.95
9.96	35TH	3.92
9.89	30TH	3.89
9.80	25TH	3.86
9.71	20TH	3.82
9.60	15TH	3.78
9.47	10TH	3.73
9.26	5TH	3.65
9.13	3RD	3.59
9.03	2ND	3.56
8.87	1ST	3.49

RANGES*	F	CUMF	FPCT	CUM PCT
12.05- 12.25	1	1905	0.05	100.00
11.85- 12.05	2	1904	0.10	99.95
11.65- 11.85	4	1902	0.21	99.84
11.45- 11.65	23	1898	1.21	99.63
11.25- 11.45	30	1875	1.57	98.43
11.05- 11.25	66	1845	3.46	96.85
10.85- 11.05	117	1779	6.14	93.39
10.65- 10.85	116	1662	6.09	87.24
10.45- 10.65	255	1546	13.39	81.15
10.25- 10.45	194	1291	10.18	67.77
10.05- 10.25	312	1097	16.38	57.59
9.85- 10.05	310	785	16.27	41.21
9.65- 9.85	140	475	7.35	24.93
9.45- 9.65	167	335	8.77	17.59
9.25- 9.45	67	168	3.52	8.82
9.05- 9.25	61	101	3.20	5.30
8.85- 9.05	26	40	1.36	2.10
8.65- 8.85	7	14	0.37	0.73
8.45- 8.65	4	7	0.21	0.37
8.25- 8.45	1	3	0.05	0.16
8.05- 8.25	2	2	0.10	0.10

*IN CENTIMETERS

(118) NASAL BREADTH

Subject sits. With a sliding caliper, measure the maximum horizontal breadth of the nose.



CENTIMETERS

INCHES

3.19	MEAN VALUE	1.26
0.01	SE(MEAN)	0.00
0.33	SD DEVIATION	0.13
0.01	SE(SD DEV)	0.00

SYMMETRY---VETA I = 0.60
 KURTOSIS---VETA II = 4.01
 COEF. OF VARIATION = 10.3%

NUMBER OF SUBJECTS = 1905

THE PERCENTILES

CENTIMETERS

INCHES

4.17	99TH	1.64
4.01	98TH	1.58
3.91	97TH	1.54
3.79	95TH	1.49
3.63	90TH	1.43
3.53	85TH	1.39
3.45	80TH	1.36
3.39	75TH	1.34
3.34	70TH	1.31
3.29	65TH	1.30
3.25	60TH	1.28
3.21	55TH	1.26
3.17	50TH	1.25
3.13	45TH	1.23
3.09	40TH	1.22
3.05	35TH	1.20
3.00	30TH	1.18
2.96	25TH	1.17
2.91	20TH	1.15
2.85	15TH	1.12
2.78	10TH	1.10
2.68	5TH	1.05
2.61	3RD	1.03
2.56	2ND	1.01
2.49	1ST	0.98

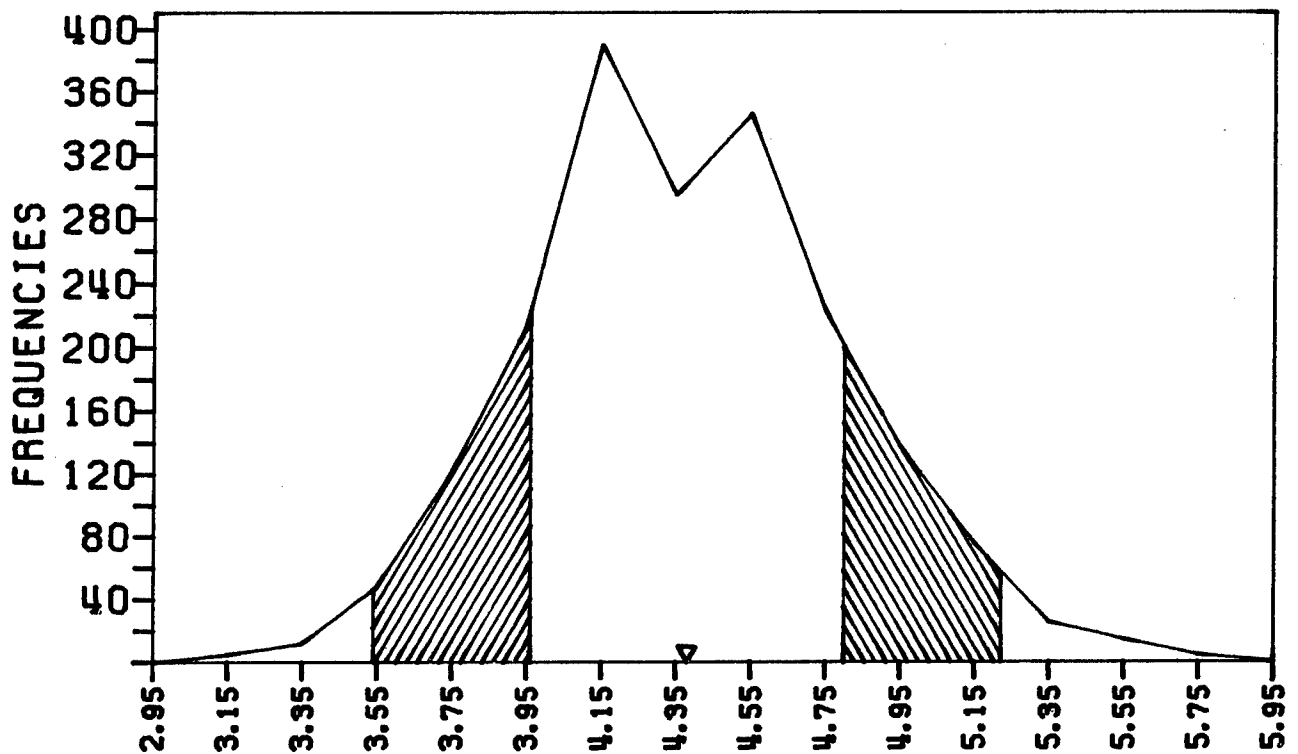
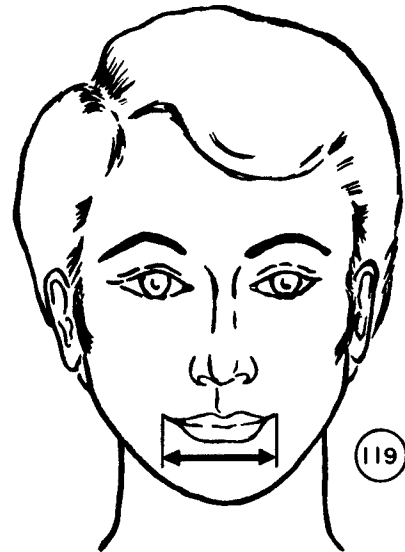
RANGES*	F	CUMF	FPCT	CUMPCT
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4.45-	4.65	4	1905	0.21	100.00
4.25-	4.45	8	1901	0.42	99.79
4.05-	4.25	17	1893	0.89	99.37
3.85-	4.05	44	1876	2.31	98.48
3.65-	3.85	90	1832	4.72	96.17
3.45-	3.65	205	1742	10.76	91.44
3.25-	3.45	370	1537	19.42	80.68
3.05-	3.25	516	1167	27.09	61.26
2.85-	3.05	380	651	19.95	34.17
2.65-	2.85	203	271	10.66	14.23
2.45-	2.65	61	68	3.20	3.57
2.25-	2.45	7	7	0.37	0.37

*IN CENTIMETERS

(119) LIP LENGTH

Subject sits with mouth closed and jaw relaxed. With a sliding caliper, measure the horizontal distance from the right to the left cheilions.



CENTIMETERS INCHES

4.38 MEAN VALUE 1.72
 0.01 SE(MEAN) 0.00
 0.42 SD DEVIATION 0.17
 0.01 SE(SD DEV) 0.00

SYMMETRY---VETA I = 0.20
 KURTOSIS---VETA II = 3.04
 COEF. OF VARIATION = 9.6%

RANGES*	F	CUMF	FPCT	CUMpCT
5.65-	5.85	4	1905	0.21 100.00
5.45-	5.65	14	1901	0.73 99.79
5.25-	5.45	25	1887	1.31 99.06
5.05-	5.25	75	1862	3.94 97.74
4.85-	5.05	137	1787	7.19 93.81
4.65-	4.85	222	1650	11.65 86.61
4.45-	4.65	345	1428	18.11 74.96
4.25-	4.45	294	1083	15.43 56.85
4.05-	4.25	390	789	20.47 41.42
3.85-	4.05	213	399	11.18 20.94
3.65-	3.85	121	186	6.35 9.76
3.45-	3.65	48	65	2.52 3.41
3.25-	3.45	12	17	0.63 0.89
3.05-	3.25	5	5	0.26 0.26

NUMBER OF SUBJECTS = 1905

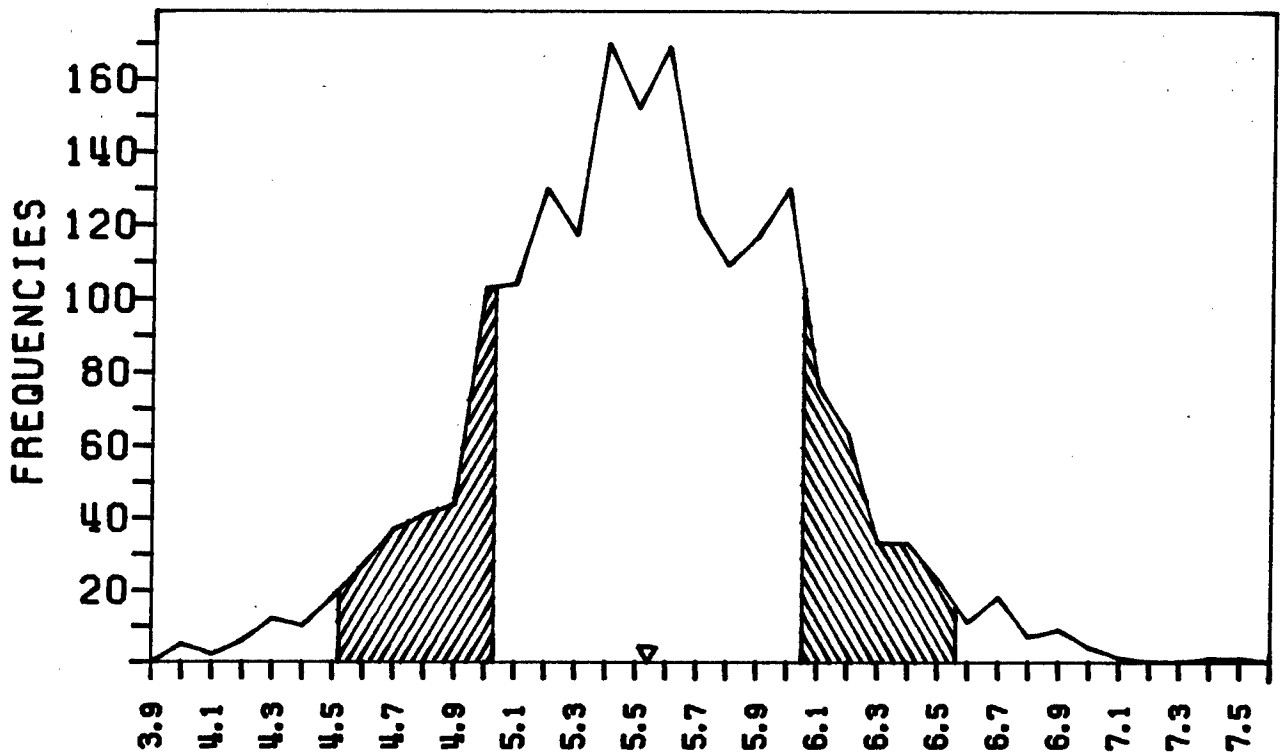
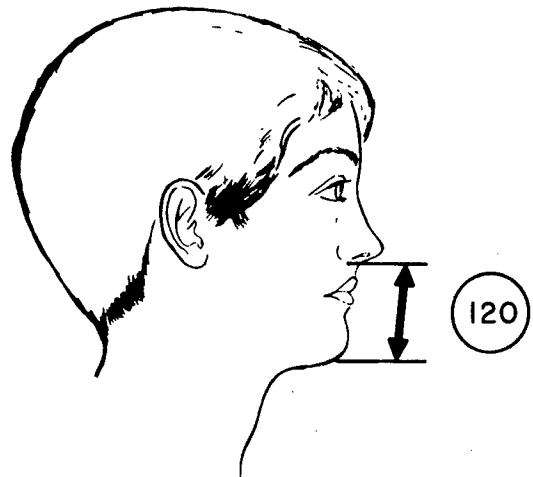
THE PERCENTILES

CENTIMETERS		INCHES
5.43	99TH	2.14
5.30	98TH	2.09
5.22	97TH	2.05
5.11	95TH	2.01
4.94	90TH	1.94
4.82	85TH	1.90
4.73	80TH	1.86
4.66	75TH	1.83
4.59	70TH	1.81
4.53	65TH	1.78
4.47	60TH	1.76
4.42	55TH	1.74
4.36	50TH	1.72
4.31	45TH	1.70
4.26	40TH	1.68
4.20	35TH	1.65
4.14	30TH	1.63
4.08	25TH	1.61
4.02	20TH	1.58
3.94	15TH	1.55
3.84	10TH	1.51
3.70	5TH	1.46
3.62	3RD	1.42
3.55	2ND	1.40
3.45	1ST	1.36

*IN CENTIMETERS

(120) MENTON-SUBNASALE LENGTH

Subject sits with mouth closed and jaw relaxed. With a sliding caliper, measure the straight-line distance from the menton landmark to subnasale.



RANGES*	F	CUMF	FPCT	CUMPCT
7.45- 7.55	1	1 905	0.05	100.00
7.35- 7.45	1	1 904	0.05	99.95
7.25- 7.35	0	1 903	0.00	99.90
7.15- 7.25	0	1 903	0.00	99.90
7.05- 7.15	1	1 903	0.05	99.90
6.95- 7.05	4	1 902	0.21	99.84
6.85- 6.95	9	1 898	0.47	99.63
6.75- 6.85	7	1 889	0.37	99.16
6.65- 6.75	18	1 882	0.94	98.79
6.55- 6.65	11	1 864	0.58	97.85
6.45- 6.55	23	1 853	1.21	97.27
6.35- 6.45	33	1 830	1.73	96.06
6.25- 6.35	33	1 797	1.73	94.33
6.15- 6.25	63	1 764	3.31	92.60
6.05- 6.15	76	1 701	3.99	89.29
5.95- 6.05	130	1 625	6.82	85.30
5.85- 5.95	117	1 495	6.14	78.48
5.75- 5.85	109	1 378	5.72	72.34
5.65- 5.75	122	1 269	6.40	66.61
5.55- 5.65	169	1 147	8.87	60.21
5.45- 5.55	152	978	7.98	51.34
5.35- 5.45	170	826	8.92	43.36
5.25- 5.35	117	656	6.14	34.44
5.15- 5.25	130	539	6.82	28.29
5.05- 5.15	104	409	5.46	21.47
4.95- 5.05	103	305	5.41	16.01
4.85- 4.95	44	202	2.31	10.60
4.75- 4.85	41	158	2.15	8.29
4.65- 4.75	37	117	1.94	6.14
4.55- 4.65	27	80	1.42	4.20
4.45- 4.55	18	53	0.94	2.78
4.35- 4.45	10	35	0.52	1.84
4.25- 4.35	12	25	0.63	1.31
4.15- 4.25	6	13	0.31	0.68
4.05- 4.15	2	7	0.10	0.37
3.95- 4.05	5	5	0.26	0.26

*IN CENTIMETERS

CENTIMETERS

INCHES

5.54	MEAN VALUE	2.18
0.01	SE(MEAN)	0.00
0.51	SD DEVIATION	0.20
0.01	SE(SD DEV)	0.00

SYMMETRY---	VETA I =	0.05
KURTOSIS---	VETA II =	3.24
COEF. OF VARIATION	=	9.2%

NUMBER OF SUBJECTS = 1905

THE PERCENTILES

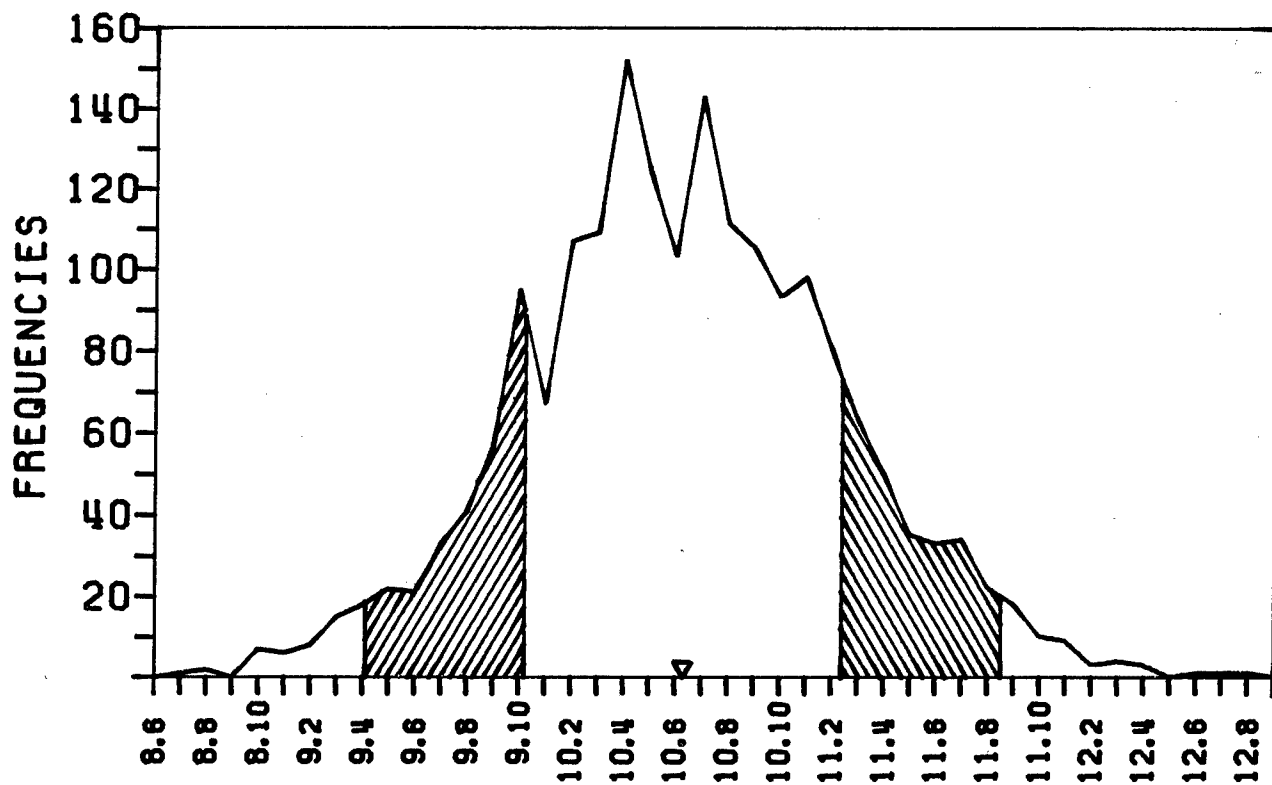
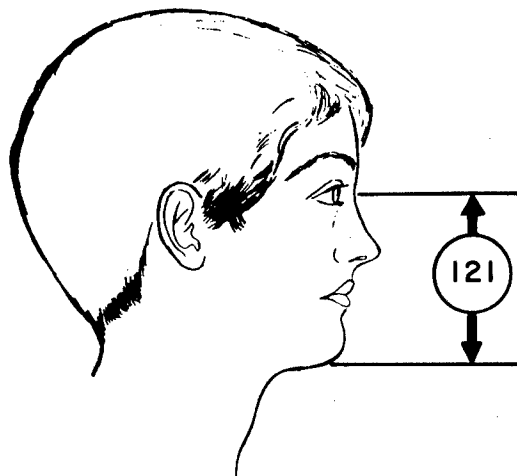
CENTIMETERS

INCHES

6.82	99TH	2.68
6.64	98TH	2.61
6.53	97TH	2.57
6.39	95TH	2.52
6.19	90TH	2.44
6.06	85TH	2.38
5.96	80TH	2.35
5.87	75TH	2.31
5.79	70TH	2.28
5.73	65TH	2.25
5.66	60TH	2.23
5.60	55TH	2.20
5.54	50TH	2.18
5.48	45TH	2.16
5.41	40TH	2.13
5.35	35TH	2.11
5.28	30TH	2.08
5.21	25TH	2.05
5.13	20TH	2.02
5.03	15TH	1.98
4.90	10TH	1.93
4.70	5TH	1.85
4.57	3RD	1.80
4.47	2ND	1.76
4.30	1ST	1.69

(121) MENTON-SELLION LENGTH

Subject sits with mouth closed and jaw relaxed. With a sliding caliper, measure the straight-line distance from the menton landmark to sellion.



RANGES*	F	CUMF	FPCT	CUMFCT
12.75- 12.85	1	1905	0.05	100.00
12.65- 12.75	1	1904	0.05	99.95
12.55- 12.65	1	1903	0.05	99.90
12.45- 12.55	0	1902	0.00	99.84
12.35- 12.45	3	1902	0.16	99.84
12.25- 12.35	4	1899	0.21	99.69
12.15- 12.25	3	1895	0.16	99.48
12.05- 12.15	9	1892	0.47	99.32
11.95- 12.05	10	1883	0.52	98.85
11.85- 11.95	18	1873	0.94	98.32
11.75- 11.85	22	1855	1.15	97.38
11.65- 11.75	34	1833	1.78	96.22
11.55- 11.65	33	1799	1.73	94.44
11.45- 11.55	35	1766	1.84	92.70
11.35- 11.45	50	1731	2.62	90.87
11.25- 11.35	63	1681	3.31	88.24
11.15- 11.25	80	1618	4.20	84.93
11.05- 11.15	98	1538	5.14	80.73
10.95- 11.05	93	1440	4.88	75.59
10.85- 10.95	105	1347	5.51	70.71
10.75- 10.85	111	1242	5.83	65.20
10.65- 10.75	143	1131	7.51	59.37
10.55- 10.65	103	988	5.41	51.86
10.45- 10.55	124	885	6.51	46.46
10.35- 10.45	152	761	7.98	39.95
10.25- 10.35	109	609	5.72	31.97
10.15- 10.25	107	500	5.62	26.25
10.05- 10.15	67	393	3.52	20.63
9.95- 10.05	95	326	4.99	17.11
9.85- 9.95	57	231	2.99	12.13
9.75- 9.85	41	174	2.15	9.13
9.65- 9.75	33	133	1.73	6.98
9.55- 9.65	21	100	1.10	5.25
9.45- 9.55	22	79	1.15	4.15
9.35- 9.45	18	57	0.94	2.99
9.25- 9.35	15	39	0.79	2.05
9.15- 9.25	8	24	0.42	1.26
9.05- 9.15	6	16	0.31	0.84
8.95- 9.05	7	10	0.37	0.52
8.85- 8.95	0	3	0.00	0.16
8.75- 8.85	2	3	0.10	0.16
8.65- 8.75	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS INCHES

10.63 MEAN VALUE 4.18
0.01 SE(MEAN) 0.01
0.61 SD DEVIATION 0.24
0.01 SE(SD DEV) 0.00

SYMMETRY---VETA I = 0.08
KURTOSIS---VETA II = 3.09
COEF. OF VARIATION = 5.8%

NUMBER OF SUBJECTS = 1905

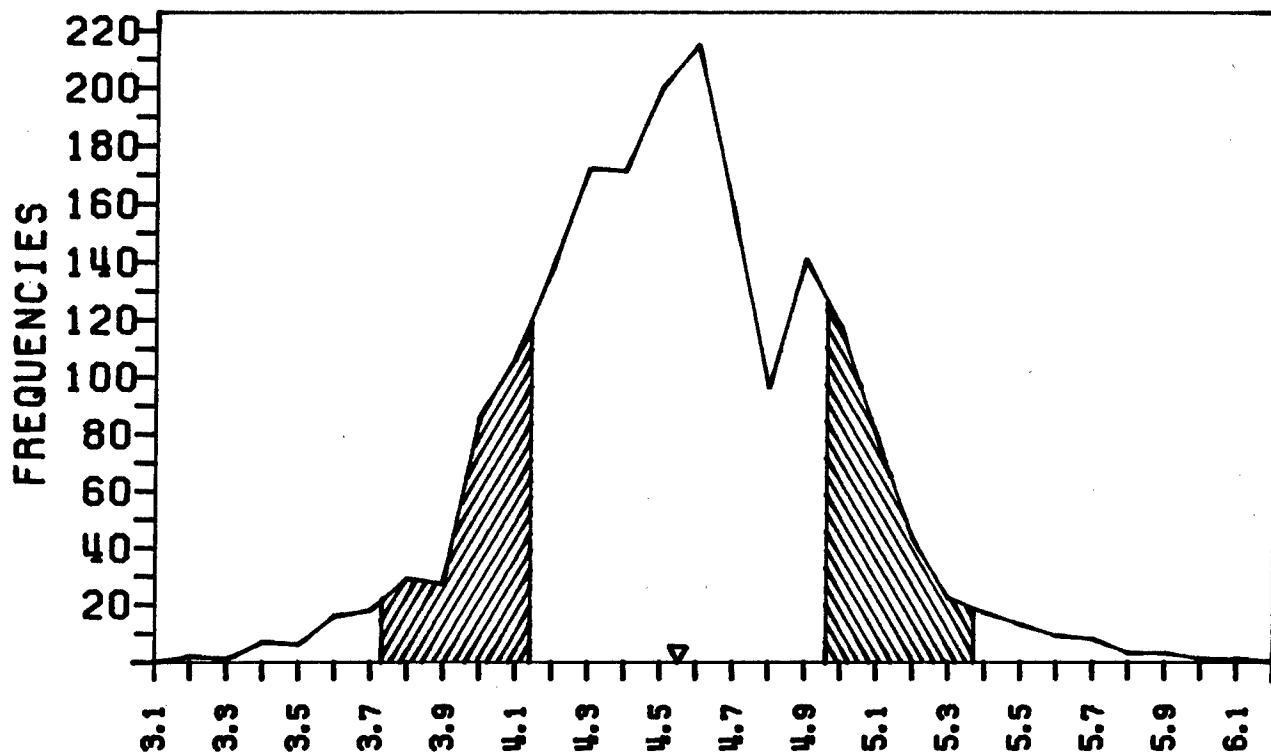
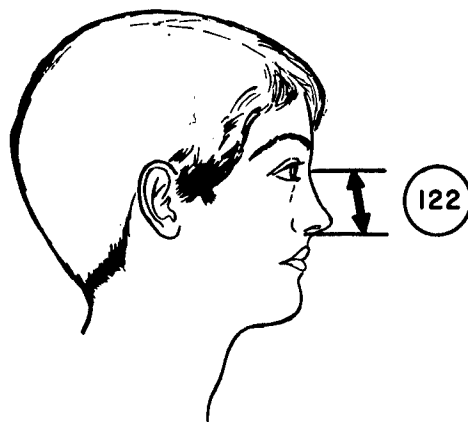
THE PERCENTILES

CENTIMETERS INCHES

12.09	99TH	4.76
11.92	98TH	4.69
11.81	97TH	4.65
11.66	95TH	4.59
11.42	90TH	4.50
11.26	85TH	4.43
11.14	80TH	4.39
11.03	75TH	4.34
10.94	70TH	4.31
10.85	65TH	4.27
10.77	60TH	4.24
10.69	55TH	4.21
10.62	50TH	4.18
10.54	45TH	4.15
10.46	40TH	4.12
10.39	35TH	4.09
10.30	30TH	4.06
10.22	25TH	4.02
10.12	20TH	3.98
10.00	15TH	3.94
9.86	10TH	3.88
9.63	5TH	3.79
9.48	3RD	3.73
9.36	2ND	3.69
9.16	1ST	3.61

(122) SUBNASALE-SELLION LENGTH

Subject sits. With a sliding caliper, measure the straight line distance from subnasale to sellion.



CENTIMETERS

INCHES

4.55 MEAN VALUE 1.79
 0.01 SE(MEAN) 0.00
 0.41 SD DEVIATION 0.16
 0.01 SE(SD DEV) 0.00

SYMMETRY---VETA I = 0.14
 KURTOSIS---VETA II = 3.36
 COEF. OF VARIATION = 9.0%

NUMBER OF SUBJECTS = 1905

THE PERCENTILES

CENTIMETERS

INCHES

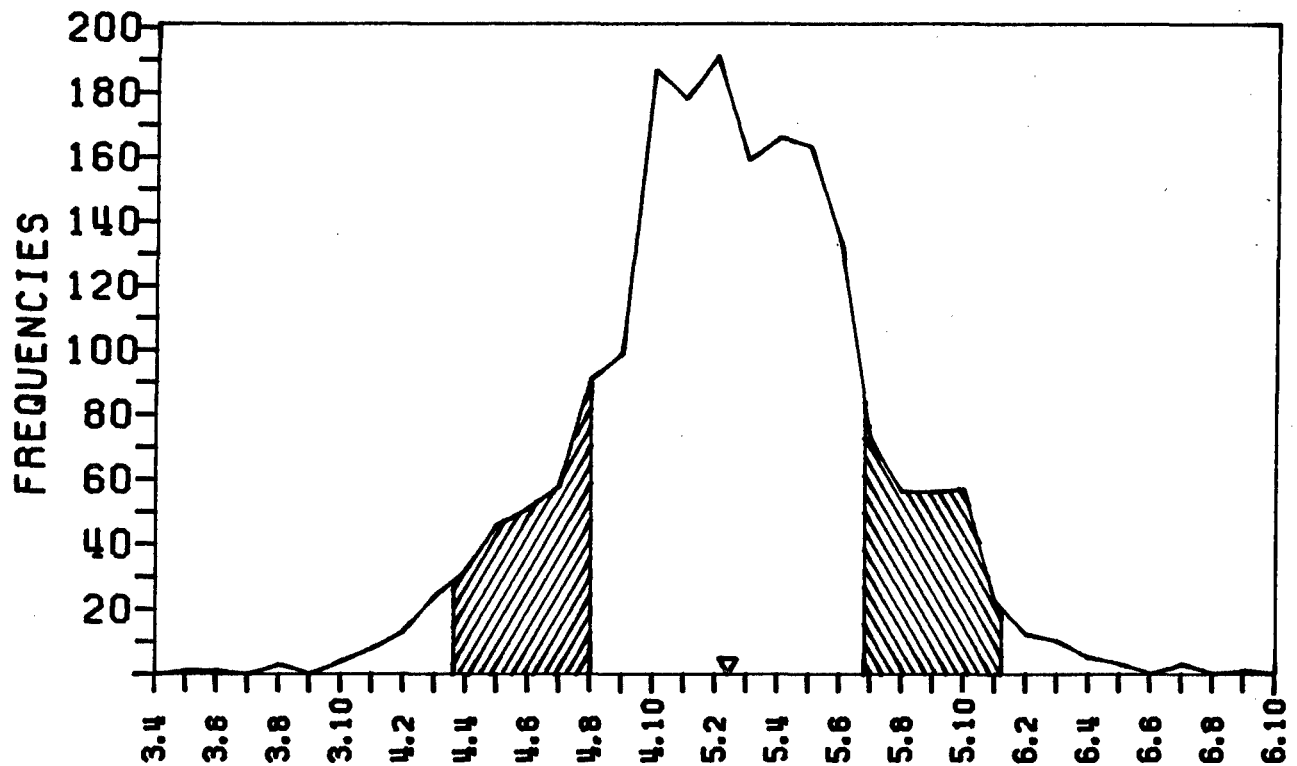
5.60	99TH	2.21
5.45	98TH	2.14
5.36	97TH	2.11
5.24	95TH	2.06
5.07	90TH	1.99
4.96	85TH	1.95
4.87	80TH	1.92
4.80	75TH	1.89
4.74	70TH	1.87
4.69	65TH	1.85
4.64	60TH	1.83
4.59	55TH	1.81
4.54	50TH	1.79
4.49	45TH	1.77
4.44	40TH	1.75
4.39	35TH	1.73
4.34	30TH	1.71
4.28	25TH	1.68
4.21	20TH	1.66
4.14	15TH	1.63
4.04	10TH	1.59
3.88	5TH	1.53
3.78	3RD	1.49
3.70	2ND	1.46
3.57	1ST	1.40

RANGES*	F	CUMF	FPCT	CUMPCT
6.05- 6.15	1	1905	0.05	100.00
5.95- 6.05	1	1904	0.05	99.95
5.85- 5.95	3	1903	0.16	99.90
5.75- 5.85	3	1900	0.16	99.74
5.65- 5.75	8	1897	0.42	99.58
5.55- 5.65	9	1889	0.47	99.16
5.45- 5.55	13	1880	0.68	98.69
5.35- 5.45	17	1867	0.89	98.01
5.25- 5.35	22	1850	1.15	97.11
5.15- 5.25	43	1828	2.26	95.96
5.05- 5.15	79	1785	4.15	93.70
4.95- 5.05	117	1706	6.14	89.55
4.85- 4.95	141	1589	7.40	83.41
4.75- 4.85	96	1448	5.04	76.01
4.65- 4.75	157	1352	8.24	70.97
4.55- 4.65	215	1195	11.29	62.73
4.45- 4.55	200	980	10.50	51.44
4.35- 4.45	171	780	8.98	40.94
4.25- 4.35	172	609	9.03	31.97
4.15- 4.25	138	437	7.24	22.94
4.05- 4.15	107	299	5.62	15.70
3.95- 4.05	86	192	4.51	10.08
3.85- 3.95	27	106	1.42	5.56
3.75- 3.85	29	79	1.52	4.15
3.65- 3.75	18	50	0.94	2.62
3.55- 3.65	16	32	0.84	1.68
3.45- 3.55	6	16	0.31	0.84
3.35- 3.45	7	10	0.37	0.52
3.25- 3.35	1	3	0.05	0.16
3.15- 3.25	2	2	0.10	0.10

*IN CENTIMETERS

(123) EAR LENGTH

Subject sits. With a sliding caliper, measure the maximum length of the right ear along its major axis.



RANGES*	F	CUMF	FPCT	CUMPT
6.85- 6.95	1	1905	0.05	100.00
6.75- 6.85	0	1904	0.00	99.95
6.65- 6.75	3	1904	0.16	99.95
6.55- 6.65	0	1901	0.00	99.79
6.45- 6.55	3	1901	0.16	99.79
6.35- 6.45	5	1898	0.26	99.63
6.25- 6.35	10	1893	0.52	99.37
6.15- 6.25	12	1883	0.63	98.85
6.05- 6.15	22	1871	1.15	98.22
5.95- 6.05	57	1849	2.99	97.06
5.85- 5.95	56	1792	2.94	94.07
5.75- 5.85	56	1736	2.94	91.13
5.65- 5.75	72	1680	3.78	88.19
5.55- 5.65	133	1608	6.98	84.41
5.45- 5.55	163	1475	8.56	77.43
5.35- 5.45	166	1312	8.71	68.87
5.25- 5.35	159	1146	8.35	60.16
5.15- 5.25	191	987	10.03	51.81
5.05- 5.15	178	796	9.34	41.78
4.95- 5.05	187	618	9.82	32.44
4.85- 4.95	99	431	5.20	22.62
4.75- 4.85	91	332	4.78	17.43
4.65- 4.75	58	241	3.04	12.65
4.55- 4.65	51	183	2.68	9.61
4.45- 4.55	46	132	2.41	6.93
4.35- 4.45	32	86	1.68	4.51
4.25- 4.35	24	54	1.26	2.83
4.15- 4.25	13	30	0.68	1.57
4.05- 4.15	8	17	0.42	0.89
3.95- 4.05	4	9	0.21	0.47
3.85- 3.95	0	5	0.00	0.26
3.75- 3.85	3	5	0.16	0.26
3.65- 3.75	0	2	0.00	0.10
3.55- 3.65	1	2	0.05	0.10
3.45- 3.55	1	1	0.05	0.05

*IN CENTIMETERS

CENTIMETERS

INCHES

5.24 MEAN VALUE 2.06
0.01 SE(MEAN) 0.00
0.44 SD DEVIATION 0.17
0.01 SE(SD DEV) 0.00

SYMMETRY---VETA I = -0.07
KURTOSIS---VETA II = 3.36
COEF. OF VARIATION = 8.5%

NUMBER OF SUBJECTS = 1905

THE PERCENTILES

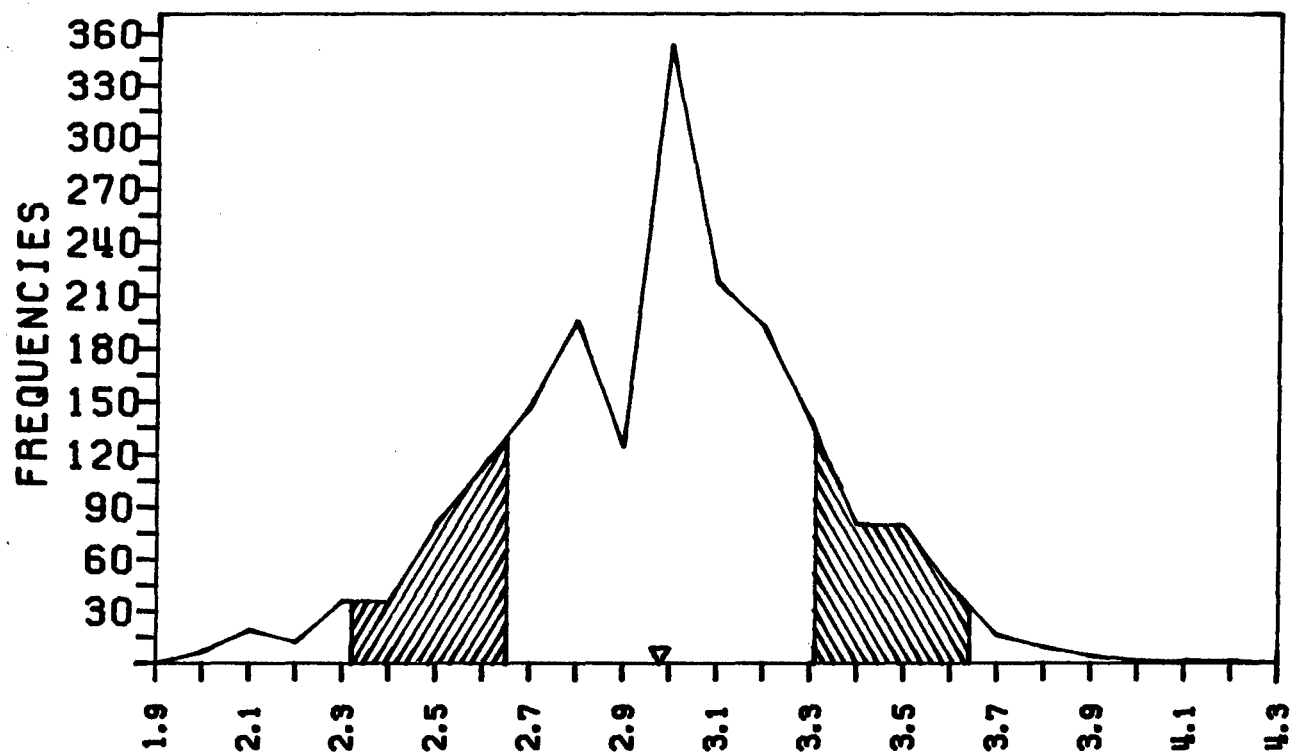
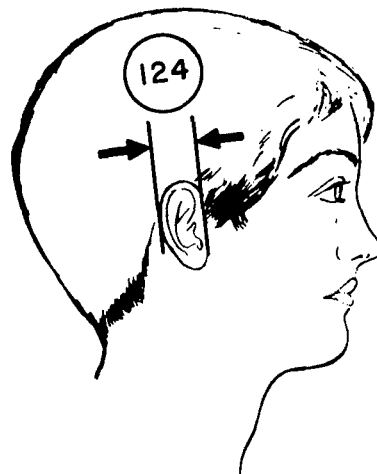
CENTIMETERS

INCHES

6.28	99TH	2.47
6.14	98TH	2.42
6.06	97TH	2.39
5.95	95TH	2.34
5.79	90TH	2.28
5.68	85TH	2.24
5.60	80TH	2.20
5.53	75TH	2.18
5.46	70TH	2.15
5.41	65TH	2.13
5.35	60TH	2.11
5.30	55TH	2.09
5.24	50TH	2.06
5.19	45TH	2.04
5.14	40TH	2.02
5.08	35TH	2.00
5.02	30TH	1.98
4.95	25TH	1.95
4.87	20TH	1.92
4.79	15TH	1.88
4.67	10TH	1.84
4.49	5TH	1.77
4.38	3RD	1.72
4.29	2ND	1.69
4.15	1ST	1.63

(124) EAR BREADTH

Subjects sits. With a sliding caliper, measure the maximum breadth of the right ear in a plane perpendicular to its major axis.



CENTIMETERS

INCHES

2.98 MEAN VALUE 1.17
 0.01 SE(MEAN) 0.00
 0.33 SD DEVIATION 0.13
 0.01 SE(SD DEV) 0.00

SYMMETRY---VETA I = -0.15
 KURTOSIS---VETA II = 3.18
 COEF. OF VARIATION = 11.2%

NUMBER OF SUBJECTS = 1905

THE PERCENTILES

CENTIMETERS

INCHES

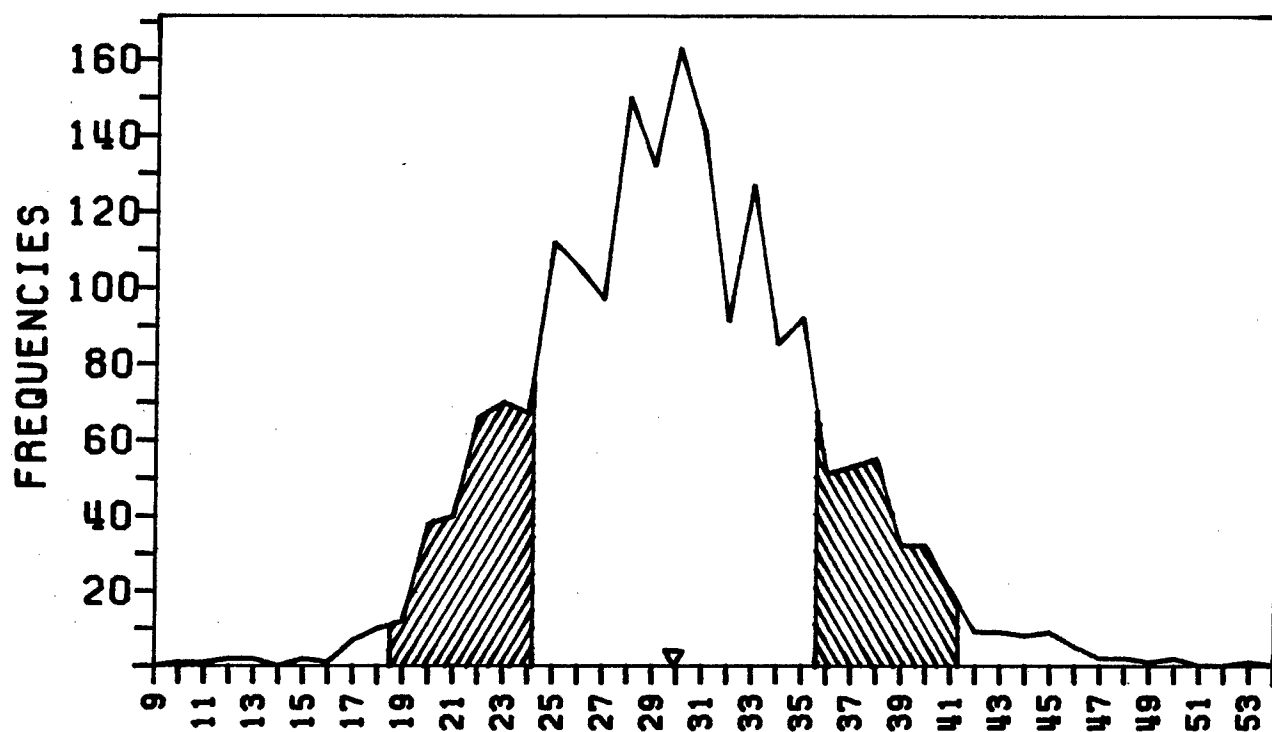
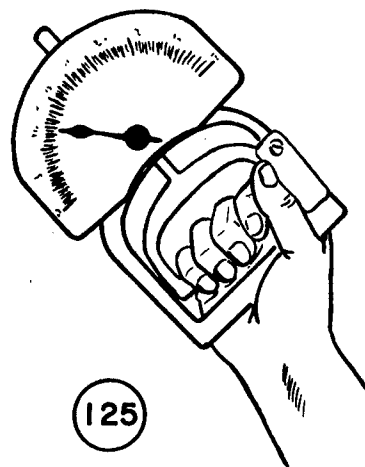
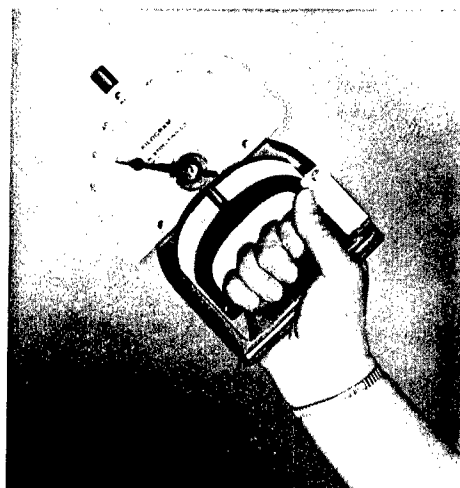
3.73	99TH	1.47
3.64	98TH	1.43
3.59	97TH	1.41
3.51	95TH	1.38
3.40	90TH	1.34
3.32	85TH	1.31
3.26	80TH	1.28
3.20	75TH	1.26
3.16	70TH	1.24
3.11	65TH	1.23
3.07	60TH	1.21
3.03	55TH	1.19
2.99	50TH	1.18
2.95	45TH	1.16
2.91	40TH	1.15
2.87	35TH	1.13
2.82	30TH	1.11
2.77	25TH	1.09
2.71	20TH	1.07
2.64	15TH	1.04
2.55	10TH	1.00
2.41	5TH	0.95
2.31	3RD	0.91
2.24	2ND	0.88
2.11	1ST	0.83

RANGES*	F	CUMF	FPCT	CUMPCT
4.15-	4.25	1	1905	0.05 100.00
4.05-	4.15	1	1904	0.05 99.95
3.95-	4.05	1	1903	0.05 99.90
3.85-	3.95	4	1902	0.21 99.84
3.75-	3.85	9	1898	0.47 99.63
3.65-	3.75	16	1889	0.84 99.16
3.55-	3.65	44	1873	2.31 98.32
3.45-	3.55	79	1829	4.15 96.01
3.35-	3.45	80	1750	4.20 91.86
3.25-	3.35	139	1670	7.30 87.66
3.15-	3.25	192	1531	10.08 80.37
3.05-	3.15	217	1339	11.39 70.29
2.95-	3.05	353	1122	18.53 58.90
2.85-	2.95	124	769	6.51 40.37
2.75-	2.85	196	645	10.29 33.86
2.65-	2.75	147	449	7.72 23.57
2.55-	2.65	113	302	5.93 15.85
2.45-	2.55	80	189	4.20 9.92
2.35-	2.45	35	109	1.84 5.72
2.25-	2.35	36	74	1.89 3.88
2.15-	2.25	12	38	0.63 1.99
2.05-	2.15	19	26	1.00 1.36
1.95-	2.05	7	7	0.37 0.37

*IN CENTIMETERS

(125) GRIP STRENGTH

Subject stands, gripping with her preferred hand a Smedley dynamometer adjusted to a 5 cm grip. She is asked to squeeze the dynamometer as hard as possible. After about a minute's rest, she is asked to squeeze the dynamometer again and is urged to better her previous score. Record the higher score.



RANGES*	F	CUMF	FPCT	CUMPCT
52.50- 53.50	1	1905	0.05	100.00
51.50- 52.50	0	1904	0.00	99.95
50.50- 51.50	0	1904	0.00	99.95
49.50- 50.50	2	1904	0.10	99.95
48.50- 49.50	1	1902	0.05	99.84
47.50- 48.50	2	1901	0.10	99.79
46.50- 47.50	2	1899	0.10	99.69
45.50- 46.50	5	1897	0.26	99.58
44.50- 45.50	9	1892	0.47	99.32
43.50- 44.50	8	1883	0.42	98.85
42.50- 43.50	9	1875	0.47	98.43
41.50- 42.50	9	1866	0.47	97.95
40.50- 41.50	20	1857	1.05	97.48
39.50- 40.50	32	1837	1.68	96.43
38.50- 39.50	32	1805	1.68	94.75
37.50- 38.50	55	1773	2.89	93.07
36.50- 37.50	53	1718	2.78	90.18
35.50- 36.50	51	1665	2.68	87.40
34.50- 35.50	92	1614	4.83	84.72
33.50- 34.50	85	1522	4.46	79.90
32.50- 33.50	127	1437	6.67	75.43
31.50- 32.50	91	1310	4.78	68.77
30.50- 31.50	141	1219	7.40	63.99
29.50- 30.50	163	1078	8.56	56.59
28.50- 29.50	132	915	6.93	48.03
27.50- 28.50	150	783	7.87	41.10
26.50- 27.50	97	633	5.09	33.23
25.50- 26.50	105	536	5.51	28.14
24.50- 25.50	112	431	5.88	22.62
23.50- 24.50	67	319	3.52	16.75
22.50- 23.50	70	252	3.67	13.23
21.50- 22.50	66	182	3.46	9.55
20.50- 21.50	40	116	2.10	6.09
19.50- 20.50	38	76	1.99	3.99
18.50- 19.50	12	38	0.63	1.99
17.50- 18.50	10	26	0.52	1.36
16.50- 17.50	7	16	0.37	0.84
15.50- 16.50	1	9	0.05	0.47
14.50- 15.50	2	8	0.10	0.42
13.50- 14.50	0	6	0.00	0.31
12.50- 13.50	2	6	0.10	0.31
11.50- 12.50	2	4	0.10	0.21
10.50- 11.50	1	2	0.05	0.10
9.50- 10.50	1	1	0.05	0.05

*IN KILOGRAMS

KILOGRAMS	POUNDS
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29.89	MEAN VALUE	65.90
0.13	SE(MEAN)	0.29
5.70	SD DEVIATION	12.57
0.09	SE(SD DEV)	0.20

SYMMETRY---	VETA I =	0.25
KURTOSIS---	VETA II =	3.31
COEF. OF VARIATION	=	19.1%

NUMBER OF SUBJECTS = 1905

THE PERCENTILES

KILOGRAMS		POUNDS
-----------	--	--------

44.76	99TH	98.67
42.58	98TH	93.87
41.28	97TH	91.01
39.61	95TH	87.33
37.20	90TH	82.02
35.67	85TH	78.63
34.49	80TH	76.04
33.50	75TH	73.85
32.63	70TH	71.93
31.83	65TH	70.18
31.09	60TH	68.53
30.37	55TH	66.96
29.67	50TH	65.41
28.97	45TH	63.87
28.27	40TH	62.33
27.56	35TH	60.75
26.80	30TH	59.09
26.00	25TH	57.32
25.11	20TH	55.35
24.09	15TH	53.11
22.83	10TH	50.32
21.03	5TH	46.36
19.93	3RD	43.93
19.15	2ND	42.23
18.02	1ST	39.74

SECTION VIII

THE OVER-FOUNDATION-GARMENT MEASUREMENTS

At the request of clothing designers, a series of measurements to be made on the subjects while they were wearing foundation garments was included in the survey plan. Each subject was instructed to bring to the measuring room the type of foundation garment which she normally wore. Approximately four out of five subjects complied with this instruction, and thirteen dimensions of the lower trunk were measured on these women, first without, and then while they were wearing their foundation garment.

The measuring techniques used in making these thirteen measurements over the foundation garment were exactly the same as those described in the preceding section for the corresponding measurements, and are not further described here.

Statistical summaries and frequency distributions are presented in this section for weight, stature, the thirteen over-foundation-garment measurements, and for their companion measurements; the data for the companion measurements and for weight and stature are based on the sample of women who were measured wearing foundation garments, a group several times referred to later in the report as the 'over-foundation-garment subseries'.

This subseries is somewhat more heavily weighted with enlisted women than was the total sample: 83% of the enlisted women in the total sample are included in the subseries, but only 72% of the officers and officer trainees. The median age for the subseries is 20.8 years, slightly below 21.0, the median for the entire sample. The subseries and the total series are of almost equal stature, the subseries averaging 162.0 cm (63.78 in), and the total series 162.1 cm (63.82 in). The difference in weight is also small, about two-fifths of a kilogram (0.9 lb), but is enough to indicate that the women who did not bring foundation garments to the measuring session averaged about two kilograms lighter than those who did.

For most of the members of the subseries, the type of garment they were wearing was recorded. The numbers wearing each of the various types are as follows:

1. Panty girdle (regular): 471 (31%)
2. Long-leg (long-line) panty girdle: 235 (16%)
3. Regular girdle: 70 (5%)
4. Long-leg (long-line) girdle: 670 (44%)
5. Corset: 2 (0.1%)
6. Panty or other girdle without panty underneath: 15 (1%)
7. Miscellaneous or not specified: 49 (3%)

Means and standard deviations for all 137 measurements for the 'over-foundation-garment' subseries will be found in table XXII, which appears in Part B of this report.

1A AGE - SUBJECTS IN OFG SERIES

RANGES	F	CUMF	FPCT	CUMPT
56.00- 57.00	1	1513	0.07	100.00
55.00- 56.00	0	1512	0.00	99.93
54.00- 55.00	0	1512	0.00	99.93
53.00- 54.00	2	1512	0.13	99.93
52.00- 53.00	0	1510	0.00	99.80
51.00- 52.00	3	1510	0.20	99.80
50.00- 51.00	1	1507	0.07	99.60
49.00- 50.00	2	1506	0.13	99.54
48.00- 49.00	1	1504	0.07	99.41
47.00- 48.00	4	1503	0.26	99.34
46.00- 47.00	3	1499	0.20	99.07
45.00- 46.00	6	1496	0.40	98.88
44.00- 45.00	6	1490	0.40	98.48
43.00- 44.00	13	1484	0.86	98.08
42.00- 43.00	8	1471	0.53	97.22
41.00- 42.00	4	1463	0.26	96.70
40.00- 41.00	11	1459	0.73	96.43
39.00- 40.00	10	1448	0.66	95.70
38.00- 39.00	14	1438	0.93	95.04
37.00- 38.00	9	1424	0.59	94.12
36.00- 37.00	15	1415	0.99	93.52
35.00- 36.00	10	1400	0.66	92.53
34.00- 35.00	14	1390	0.93	91.87
33.00- 34.00	11	1376	0.73	90.95
32.00- 33.00	19	1365	1.26	90.22
31.00- 32.00	10	1346	0.66	88.96
30.00- 31.00	10	1336	0.66	88.30
29.00- 30.00	16	1326	1.06	87.64
28.00- 29.00	18	1310	1.19	86.58
27.00- 28.00	25	1292	1.65	85.39
26.00- 27.00	29	1267	1.92	83.74
25.00- 26.00	49	1238	3.24	81.82
24.00- 25.00	49	1189	3.24	78.59
23.00- 24.00	79	1140	5.22	75.35
22.00- 23.00	103	1061	6.81	70.13
21.00- 22.00	151	958	9.98	63.32
20.00- 21.00	209	807	13.81	53.34
19.00- 20.00	321	598	21.22	39.52
18.00- 19.00	277	277	18.31	18.31

THE ARITHMETIC MEAN 23.23
 STD ERROR (MEAN) 0.17
 THE STANDARD DEVIATION 6.47
 STD ERROR (STD DEV) 0.12

SYMMETRY---VETA I = 2.16
 KURTOSIS---VETA II = 7.46
 COEF. OF VARIATION = 27.9%

NUMBER OF SUBJECTS = 1513

THE PERCENTILES

99TH	46.62
98TH	43.90
97TH	42.58
95TH	38.95
90TH	32.83
85TH	27.76
80TH	25.44
75TH	23.93
70TH	22.98
65TH	22.25
60TH	21.67
55TH	21.17
50TH	20.76
45TH	20.40
40TH	20.03
35TH	19.79
30TH	19.55
25TH	19.32
20TH	19.08
15TH	18.82
10TH	18.55
5TH	18.27
3RD	18.16
2ND	18.11
1ST	18.05

ALL VALUES ARE IN YEARS

2A WEIGHT - SUBJECTS IN OFG SERIES

RANGES*	F	CUMF	FPCT	CUMPCT
199.50-202.50	1	1513	0.07	100.00
196.50-199.50	1	1512	0.07	99.93
193.50-196.50	2	1511	0.13	99.87
190.50-193.50	0	1509	0.00	99.74
187.50-190.50	2	1509	0.13	99.74
184.50-187.50	3	1507	0.20	99.60
181.50-184.50	5	1504	0.33	99.41
178.50-181.50	1	1499	0.07	99.07
175.50-178.50	4	1498	0.26	99.01
172.50-175.50	3	1494	0.20	98.74
169.50-172.50	5	1491	0.33	98.55
166.50-169.50	7	1486	0.46	98.22
163.50-166.50	10	1479	0.66	97.75
160.50-163.50	7	1469	0.46	97.09
157.50-160.50	16	1462	1.06	96.63
154.50-157.50	21	1446	1.39	95.57
151.50-154.50	32	1425	2.12	94.18
148.50-151.50	42	1393	2.78	92.07
145.50-148.50	45	1351	2.97	89.29
142.50-145.50	67	1306	4.43	86.32
139.50-142.50	62	1239	4.10	81.89
136.50-139.50	82	1177	5.42	77.79
133.50-136.50	101	1095	6.68	72.37
130.50-133.50	85	994	5.62	65.70
127.50-130.50	130	909	8.59	60.08
124.50-127.50	122	779	8.06	51.49
121.50-124.50	116	657	7.67	43.42
118.50-121.50	98	541	6.48	35.76
115.50-118.50	103	443	6.81	29.28
112.50-115.50	96	340	6.35	22.47
109.50-112.50	68	244	4.49	16.13
106.50-109.50	46	176	3.04	11.63
103.50-106.50	54	130	3.57	8.59
100.50-103.50	27	76	1.78	5.02
97.50-100.50	33	49	2.18	3.24
94.50- 97.50	13	16	0.86	1.06
91.50- 94.50	2	3	0.13	0.20
88.50- 91.50	1	1	0.07	0.07

*IN POUNDS

POUNDS		KILOGRAMS
128.16	MEAN VALUE	58.13
0.42	SE(MEAN)	0.19
16.52	SD DEVIATION	7.49
0.30	SE(SD DEV)	0.14

SYMMETRY---VETA I = 0.68
KURTOSIS---VETA II = 4.06
COEF. OF VARIATION = 12.9%

NUMBER OF SUBJECTS = 1513

THE PERCENTILES

POUNDS		KILOGRAMS
177.91	99TH	80.70
168.44	98TH	76.40
163.23	97TH	74.04
156.98	95TH	71.21
148.84	90TH	67.51
144.07	85TH	65.35
140.61	80TH	63.78
137.76	75TH	62.49
135.30	70TH	61.37
133.09	65TH	60.37
131.02	60TH	59.43
129.04	55TH	58.53
127.09	50TH	57.65
125.15	45TH	56.77
123.20	40TH	55.88
121.18	35TH	54.97
119.06	30TH	54.00
116.77	25TH	52.96
114.23	20TH	51.81
111.34	15TH	50.50
107.82	10TH	48.91
103.09	5TH	46.76
100.50	3RD	45.59
98.93	2ND	44.88
97.23	1ST	44.10

7A STATURE - SUBJECTS IN OFG SERIES

RANGES*	F	CUMF	FPCT	CUMPCT
182.25-183.25	1	1513	0.07	100.00
181.25-182.25	0	1512	0.00	99.93
180.25-181.25	1	1512	0.07	99.93
179.25-180.25	2	1511	0.13	99.87
178.25-179.25	2	1509	0.13	99.74
177.25-178.25	1	1507	0.07	99.60
176.25-177.25	7	1506	0.46	99.54
175.25-176.25	4	1499	0.26	99.07
174.25-175.25	4	1495	0.26	98.81
173.25-174.25	22	1491	1.45	98.55
172.25-173.25	18	1469	1.19	97.09
171.25-172.25	29	1451	1.92	95.90
170.25-171.25	30	1422	1.98	93.99
169.25-170.25	46	1392	3.04	92.00
168.25-169.25	52	1346	3.44	88.96
167.25-168.25	78	1294	5.16	85.53
166.25-167.25	66	1216	4.36	80.37
165.25-166.25	73	1150	4.82	76.01
164.25-165.25	74	1077	4.89	71.18
163.25-164.25	108	1003	7.14	66.29
162.25-163.25	99	895	6.54	59.15
161.25-162.25	107	796	7.07	52.61
160.25-161.25	100	689	6.61	45.54
159.25-160.25	84	589	5.55	38.93
158.25-159.25	92	505	6.08	33.38
157.25-158.25	80	413	5.29	27.30
156.25-157.25	76	333	5.02	22.01
155.25-156.25	69	257	4.56	16.99
154.25-155.25	55	188	3.64	12.43
153.25-154.25	34	133	2.25	8.79
152.25-153.25	31	99	2.05	6.54
151.25-152.25	22	68	1.45	4.49
150.25-151.25	24	46	1.59	3.04
149.25-150.25	9	22	0.59	1.45
148.25-149.25	6	13	0.40	0.86
147.25-148.25	4	7	0.26	0.46
146.25-147.25	1	3	0.07	0.20
145.25-146.25	1	2	0.07	0.13
144.25-145.25	1	1	0.07	0.07

*IN CENTIMETERS

CENTIMETERS INCHES

161.99 MEAN VALUE 63.78
0.15 SE(MEAN) 0.06
5.82 SD DEVIATION 2.29
0.11 SE(SD DEV) 0.04

SYMMETRY---VETA I = 0.13
KURTOSIS---VETA II = 2.83
COEF. OF VARIATION = 3.6%

NUMBER OF SUBJECTS = 1513

THE PERCENTILES

CENTIMETERS INCHES

175.81 99TH 69.22
174.17 98TH 68.57
173.14 97TH 68.17
171.74 95TH 67.62
169.59 90TH 66.77
168.12 85TH 66.19
166.96 80TH 65.73
165.96 75TH 65.34
165.05 70TH 64.98
164.22 65TH 64.65
163.42 60TH 64.34
162.65 55TH 64.04
161.89 50TH 63.74
161.13 45TH 63.44
160.37 40TH 63.14
159.58 35TH 62.83
158.75 30TH 62.50
157.86 25TH 62.15
156.88 20TH 61.76
155.77 15TH 61.33
154.40 10TH 60.79
152.50 5TH 60.04
151.36 3RD 59.59
150.57 2ND 59.28
149.47 1ST 58.84

126A WAIST HEIGHT - SUBJECTS IN OFG SERIES

CENTIMETERS INCHES

100.18 MEAN VALUE 39.44
 0.11 SE(MEAN) 0.04
 4.38 SD DEVIATION 1.72
 0.08 SE(SD DEV) 0.03

SYMMETRY---VETA I = 0.14
 KURTOSIS---VETA II = 2.91
 COEF. OF VARIATION = 4.4%

NUMBER OF SUBJECTS = 1513

THE PERCENTILES

CENTIMETERS INCHES

110.87	99TH	43.65
109.51	98TH	43.11
108.67	97TH	42.78
107.55	95TH	42.34
105.86	90TH	41.68
104.74	85TH	41.24
103.86	80TH	40.89
103.10	75TH	40.59
102.43	70TH	40.32
101.80	65TH	40.08
101.21	60TH	39.85
100.64	55TH	39.62
100.08	50TH	39.40
99.51	45TH	39.18
98.95	40TH	38.96
98.36	35TH	38.73
97.75	30TH	38.49
97.10	25TH	38.23
96.37	20TH	37.94
95.54	15TH	37.62
94.53	10TH	37.22
93.10	5TH	36.65
92.24	3RD	36.31
91.64	2ND	36.08
90.80	1ST	35.75

RANGES*	F	CUMF	FPCT	CUMPT
115.25-116.25	1	1513	0.07	100.00
114.25-115.25	1	1512	0.07	99.93
113.25-114.25	2	1511	0.13	99.87
112.25-113.25	2	1509	0.13	99.74
111.25-112.25	6	1507	0.40	99.60
110.25-111.25	9	1501	0.59	99.21
109.25-110.25	12	1492	0.79	98.61
108.25-109.25	19	1480	1.26	97.82
107.25-108.25	38	1461	2.51	96.56
106.25-107.25	41	1423	2.71	94.05
105.25-106.25	63	1382	4.16	91.34
104.25-105.25	58	1319	3.83	87.18
103.25-104.25	105	1261	6.94	83.34
102.25-103.25	123	1156	8.13	76.40
101.25-102.25	126	1033	8.33	68.27
100.25-101.25	128	907	8.46	59.95
99.25-100.25	130	779	8.59	51.49
98.25- 99.25	138	649	9.12	42.89
97.25- 98.25	118	511	7.80	33.77
96.25- 97.25	99	393	6.54	25.97
95.25- 96.25	89	294	5.88	19.43
94.25- 95.25	70	205	4.63	13.55
93.25- 94.25	51	135	3.37	8.92
92.25- 93.25	43	84	2.84	5.55
91.25- 92.25	20	41	1.32	2.71
90.25- 91.25	11	21	0.73	1.39
89.25- 90.25	4	10	0.26	0.66
88.25- 89.25	3	6	0.20	0.40
87.25- 88.25	3	3	0.20	0.20

*IN CENTIMETERS

126B WAIST HEIGHT, OVER FOUNDATION GARMENT

CENTIMETERS		INCHES
100.80	MEAN VALUE	39.68
0.11	SE(MEAN)	0.04
4.40	SD DEVIATION	1.73
0.08	SE(SD DEV)	0.03

RANGES*	F	CUMF	FPCT	CUMPT
115.25-116.25	1	1513	0.07	100.00
114.25-115.25	2	1512	0.13	99.93
113.25-114.25	4	1510	0.26	99.80
112.25-113.25	2	1506	0.13	99.54
111.25-112.25	7	1504	0.46	99.41
110.25-111.25	11	1497	0.73	98.94
109.25-110.25	16	1486	1.06	98.22
108.25-109.25	29	1470	1.92	97.16
107.25-108.25	41	1441	2.71	95.24
106.25-107.25	55	1400	3.64	92.53
105.25-106.25	64	1345	4.23	88.90
104.25-105.25	94	1281	6.21	84.67
103.25-104.25	106	1187	7.01	78.45
102.25-103.25	124	1081	8.20	71.45
101.25-102.25	138	957	9.12	63.25
100.25-101.25	129	819	8.53	54.13
99.25-100.25	116	690	7.67	45.60
98.25- 99.25	144	574	9.52	37.94
97.25- 98.25	106	430	7.01	28.42
96.25- 97.25	94	324	6.21	21.41
95.25- 96.25	81	230	5.35	15.20
94.25- 95.25	51	149	3.37	9.85
93.25- 94.25	38	98	2.51	6.48
92.25- 93.25	26	60	1.72	3.97
91.25- 92.25	16	34	1.06	2.25
90.25- 91.25	8	18	0.53	1.19
89.25- 90.25	3	10	0.20	0.66
88.25- 89.25	6	7	0.40	0.46
87.25- 88.25	0	1	0.00	0.07
86.25- 87.25	1	1	0.07	0.07

*IN CENTIMETERS

 SYMMETRY---VETA I = 0.11
 KURTOSIS---VETA II = 2.96
 COEF. OF VARIATION = 4.4%

 NUMBER OF SUBJECTS = 1513

THE PERCENTILES

CENTIMETERS		INCHES
111.33	99TH	43.83
110.06	98TH	43.33
109.25	97TH	43.01
108.16	95TH	42.58
106.50	90TH	41.93
105.38	85TH	41.49
104.50	80TH	41.14
103.74	75TH	40.84
103.06	70TH	40.58
102.44	65TH	40.33
101.85	60TH	40.10
101.29	55TH	39.88
100.73	50TH	39.66
100.17	45TH	39.44
99.61	40TH	39.22
99.03	35TH	38.99
98.43	30TH	38.75
97.78	25TH	38.49
97.05	20TH	38.21
96.22	15TH	37.88
95.18	10TH	37.47
93.66	5TH	36.87
92.70	3RD	36.49
92.00	2ND	36.22
90.92	1ST	35.79

127A ABDOMINAL EXTENSION HEIGHT - SUBJECTS IN OFG SERIES

CENTIMETERS INCHES

93.05 MEAN VALUE 36.63
0.11 SE(MEAN) 0.04
4.32 SD DEVIATION 1.70
0.08 SE(SD DEV) 0.03

SYMMETRY---VETA I = 0.13
KURTOSIS---VETA II = 3.01
COEF. OF VARIATION = 4.6%

NUMBER OF SUBJECTS = 1513

THE PERCENTILES

CENTIMETERS INCHES

103.29	99TH	40.67
102.16	98TH	40.22
101.41	97TH	39.93
100.37	95TH	39.51
98.72	90TH	38.87
97.59	85TH	38.42
96.71	80TH	38.07
95.94	75TH	37.77
95.26	70TH	37.50
94.63	65TH	37.26
94.04	60TH	37.03
93.48	55TH	36.80
92.93	50TH	36.59
92.38	45TH	36.37
91.83	40TH	36.15
91.27	35TH	35.93
90.68	30TH	35.70
90.05	25TH	35.45
89.36	20TH	35.18
88.56	15TH	34.87
87.56	10TH	34.47
86.10	5TH	33.90
85.14	3RD	33.52
84.43	2ND	33.24
83.29	1ST	32.79

RANGES*	F	CUMF	FPCT	CUMPT
107.25-108.25	1	1513	0.07	100.00
106.25-107.25	0	1512	0.00	99.93
105.25-106.25	6	1512	0.40	99.93
104.25-105.25	6	1506	0.40	99.54
103.25-104.25	2	1500	0.13	99.14
102.25-103.25	14	1498	0.93	99.01
101.25-102.25	20	1484	1.32	98.08
100.25-101.25	31	1464	2.05	96.76
99.25-100.25	39	1433	2.58	94.71
98.25- 99.25	68	1394	4.49	92.13
97.25- 98.25	71	1326	4.69	87.64
96.25- 97.25	80	1255	5.29	82.95
95.25- 96.25	106	1175	7.01	77.66
94.25- 95.25	125	1069	8.26	70.65
93.25- 94.25	131	944	8.66	62.39
92.25- 93.25	155	813	10.24	53.73
91.25- 92.25	149	658	9.85	43.49
90.25- 91.25	117	509	7.73	33.64
89.25- 90.25	109	392	7.20	25.91
88.25- 89.25	78	283	5.16	18.70
87.25- 88.25	67	205	4.43	13.55
86.25- 87.25	53	138	3.50	9.12
85.25- 86.25	38	85	2.51	5.62
84.25- 85.25	20	47	1.32	3.11
83.25- 84.25	13	27	0.86	1.78
82.25- 83.25	8	14	0.53	0.93
81.25- 82.25	2	6	0.13	0.40
80.25- 81.25	1	4	0.07	0.26
79.25- 80.25	2	3	0.13	0.20
78.25- 79.25	1	1	0.07	0.07

*IN CENTIMETERS

127B ABDOMINAL EXTENSION HEIGHT, OVER FOUNDATION GARMENT

CENTIMETERS INCHES

92.84 MEAN VALUE 36.55
0.11 SE(MEAN) 0.04
4.31 SD DEVIATION 1.70
0.08 SE(SD DEV) 0.03

RANGES* F CUMF FPCT CUMFCT

107.25-108.25	1	1513	0.07	100.00
106.25-107.25	3	1512	0.20	99.93
105.25-106.25	0	1509	0.00	99.74
104.25-105.25	4	1509	0.26	99.74
103.25-104.25	5	1505	0.33	99.47
102.25-103.25	13	1500	0.86	99.14
101.25-102.25	10	1487	0.66	98.28
100.25-101.25	31	1477	2.05	97.62
99.25-100.25	44	1446	2.91	95.57
98.25- 99.25	65	1402	4.30	92.66
97.25- 98.25	70	1337	4.63	88.37
96.25- 97.25	88	1267	5.82	83.74
95.25- 96.25	89	1179	5.88	77.92
94.25- 95.25	104	1090	6.87	72.04
93.25- 94.25	162	986	10.71	65.17
92.25- 93.25	140	824	9.25	54.46
91.25- 92.25	143	684	9.45	45.21
90.25- 91.25	125	541	8.26	35.76
89.25- 90.25	118	416	7.80	27.50
88.25- 89.25	87	298	5.75	19.70
87.25- 88.25	62	211	4.10	13.95
86.25- 87.25	54	149	3.57	9.85
85.25- 86.25	38	95	2.51	6.28
84.25- 85.25	25	57	1.65	3.77
83.25- 84.25	17	32	1.12	2.12
82.25- 83.25	8	15	0.53	0.99
81.25- 82.25	2	7	0.13	0.46
80.25- 81.25	3	5	0.20	0.33
79.25- 80.25	1	2	0.07	0.13
78.25- 79.25	1	1	0.07	0.07

SYMMETRY---VETA I = 0.09
KURTOSIS---VETA II = 3.01
COEF. OF VARIATION = 4.6%

NUMBER OF SUBJECTS = 1513

THE PERCENTILES

CENTIMETERS INCHES

103.04	99TH	40.57
101.85	98TH	40.10
101.10	97TH	39.80
100.06	95TH	39.39
98.45	90TH	38.76
97.36	85TH	38.33
96.50	80TH	37.99
95.75	75TH	37.70
95.09	70TH	37.44
94.47	65TH	37.19
93.89	60TH	36.97
93.33	55TH	36.75
92.78	50TH	36.53
92.23	45TH	36.31
91.68	40TH	36.09
91.11	35TH	35.87
90.51	30TH	35.63
89.87	25TH	35.38
89.15	20TH	35.10
88.34	15TH	34.78
87.31	10TH	34.38
85.83	5TH	33.79
84.89	3RD	33.42
84.20	2ND	33.15
83.15	1ST	32.74

*IN CENTIMETERS

128A WAIST CIRCUMFERENCE - SUBJECTS IN OFG SERIES

RANGES*	F	CUMF	FPCT	CUMPCT
94.25- 95.25	1	1513	0.07	100.00
93.25- 94.25	0	1512	0.00	99.93
92.25- 93.25	0	1512	0.00	99.93
91.25- 92.25	1	1512	0.07	99.93
90.25- 91.25	1	1511	0.07	99.87
89.25- 90.25	0	1510	0.00	99.80
88.25- 89.25	1	1510	0.07	99.80
87.25- 88.25	4	1509	0.26	99.74
86.25- 87.25	1	1505	0.07	99.47
85.25- 86.25	3	1504	0.20	99.41
84.25- 85.25	4	1501	0.26	99.21
83.25- 84.25	3	1497	0.20	98.94
82.25- 83.25	6	1494	0.40	98.74
81.25- 82.25	6	1488	0.40	98.35
80.25- 81.25	9	1482	0.59	97.95
79.25- 80.25	14	1473	0.93	97.36
78.25- 79.25	11	1459	0.73	96.43
77.25- 78.25	17	1448	1.12	95.70
76.25- 77.25	17	1431	1.12	94.58
75.25- 76.25	29	1414	1.92	93.46
74.25- 75.25	41	1385	2.71	91.54
73.25- 74.25	36	1344	2.38	88.83
72.25- 73.25	50	1308	3.30	86.45
71.25- 72.25	55	1258	3.64	83.15
70.25- 71.25	80	1203	5.29	79.51
69.25- 70.25	96	1123	6.35	74.22
68.25- 69.25	112	1027	7.40	67.88
67.25- 68.25	106	915	7.01	60.48
66.25- 67.25	131	809	8.66	53.47
65.25- 66.25	113	678	7.47	44.81
64.25- 65.25	111	565	7.34	37.34
63.25- 64.25	104	454	6.87	30.01
62.25- 63.25	108	350	7.14	23.13
61.25- 62.25	74	242	4.89	15.99
60.25- 61.25	74	168	4.89	11.10
59.25- 60.25	38	94	2.51	6.21
58.25- 59.25	40	56	2.64	3.70
57.25- 58.25	10	16	0.66	1.06
56.25- 57.25	4	6	0.26	0.40
55.25- 56.25	2	2	0.13	0.13

*IN CENTIMETERS

CENTIMETERS INCHES

67.51	MEAN VALUE	26.58
0.14	SE(MEAN)	0.06
5.50	SD DEVIATION	2.17
0.10	SE(SD DEV)	0.04

SYMMETRY---VETA I =	0.90
KURTOSIS---VETA II =	4.39
COEF. OF VARIATION =	8.1%

NUMBER OF SUBJECTS = 1513

THE PERCENTILES

CENTIMETERS INCHES

84.53	99TH	33.28
81.45	98TH	32.07
79.70	97TH	31.38
77.53	95TH	30.52
74.60	90TH	29.37
72.85	85TH	28.68
71.58	80TH	28.18
70.53	75TH	27.77
69.65	70TH	27.42
68.86	65TH	27.11
68.13	60TH	26.82
67.45	55TH	26.56
66.80	50TH	26.30
66.16	45TH	26.05
65.54	40TH	25.80
64.90	35TH	25.55
64.25	30TH	25.30
63.57	25TH	25.03
62.83	20TH	24.74
62.01	15TH	24.42
61.04	10TH	24.03
59.76	5TH	23.53
59.06	3RD	23.25
58.63	2ND	23.08
58.11	1ST	22.88

128B WAIST CIRCUMFERENCE, OVER FOUNDATION GARMENT

RANGES*	F	CUMF	FPCT	CUMPCT
88.25- 89.25	1	1513	0.07	100.00
87.25- 88.25	0	1512	0.00	99.93
86.25- 87.25	3	1512	0.20	99.93
85.25- 86.25	2	1509	0.13	99.74
84.25- 85.25	4	1507	0.26	99.60
83.25- 84.25	2	1503	0.13	99.34
82.25- 83.25	2	1501	0.13	99.21
81.25- 82.25	7	1499	0.46	99.07
80.25- 81.25	6	1492	0.40	98.61
79.25- 80.25	10	1486	0.66	98.22
78.25- 79.25	11	1476	0.73	97.55
77.25- 78.25	17	1465	1.12	96.83
76.25- 77.25	17	1448	1.12	95.70
75.25- 76.25	14	1431	0.93	94.58
74.25- 75.25	19	1417	1.26	93.65
73.25- 74.25	42	1398	2.78	92.40
72.25- 73.25	39	1356	2.58	89.62
71.25- 72.25	41	1317	2.71	87.05
70.25- 71.25	49	1276	3.24	84.34
69.25- 70.25	65	1227	4.30	81.10
68.25- 69.25	92	1162	6.08	76.80
67.25- 68.25	110	1070	7.27	70.72
66.25- 67.25	116	960	7.67	63.45
65.25- 66.25	123	844	8.13	55.78
64.25- 65.25	113	721	7.47	47.65
63.25- 64.25	139	608	9.19	40.19
62.25- 63.25	115	469	7.60	31.00
61.25- 62.25	116	354	7.67	23.40
60.25- 61.25	94	238	6.21	15.73
59.25- 60.25	56	144	3.70	9.52
58.25- 59.25	46	88	3.04	5.82
57.25- 58.25	25	42	1.65	2.78
56.25- 57.25	13	17	0.86	1.12
55.25- 56.25	4	4	0.26	0.26

CENTIMETERS	INCHES
66.23	MEAN VALUE 26.08
0.14	SE (MEAN) 0.05
5.28	SD DEVIATION 2.08
0.10	SE (SD DEV) 0.04

SYMMETRY---	VETA I = 0.91
KURTOSIS---	VETA II = 4.11
COEF. OF VARIATION =	8.0%

NUMBER OF SUBJECTS = 1513

THE PERCENTILES

CENTIMETERS		INCHES
82.33	99TH	32.41
79.83	98TH	31.43
78.30	97TH	30.83
76.30	95TH	30.04
73.42	90TH	28.90
71.62	85TH	28.20
70.29	80TH	27.67
69.20	75TH	27.24
68.28	70TH	26.88
67.46	65TH	26.56
66.73	60TH	26.27
66.05	55TH	26.00
65.41	50TH	25.75
64.80	45TH	25.51
64.21	40TH	25.28
63.63	35TH	25.05
63.04	30TH	24.82
62.44	25TH	24.58
61.81	20TH	24.34
61.12	15TH	24.06
60.30	10TH	23.74
59.14	5TH	23.28
58.41	3RD	22.99
57.86	2ND	22.78
56.96	1ST	22.42

*IN CENTIMETERS

129A ABDOMINAL EXTENSION CIRCUMFERENCE - SUBJECTS IN OFG SERIES

RANGES*	F	CUMF	FPCT	CUMPCT
118.25-119.75	1	1513	0.07	100.00
116.75-118.25	0	1512	0.00	99.93
115.25-116.75	1	1512	0.07	99.93
113.75-115.25	1	1511	0.07	99.87
112.25-113.75	3	1510	0.20	99.80
110.75-112.25	3	1507	0.20	99.60
109.25-110.75	4	1504	0.26	99.41
107.75-109.25	5	1500	0.33	99.14
106.25-107.75	2	1495	0.13	98.81
104.75-106.25	5	1493	0.33	98.68
103.25-104.75	14	1488	0.93	98.35
101.75-103.25	9	1474	0.59	97.42
100.25-101.75	17	1465	1.12	96.83
98.75-100.25	16	1448	1.06	95.70
97.25- 98.75	25	1432	1.65	94.65
95.75- 97.25	33	1407	2.18	92.99
94.25- 95.75	45	1374	2.97	90.81
92.75- 94.25	65	1329	4.30	87.84
91.25- 92.75	78	1264	5.16	83.54
89.75- 91.25	104	1186	6.87	78.39
88.25- 89.75	105	1082	6.94	71.51
86.75- 88.25	117	977	7.73	64.57
85.25- 86.75	124	860	8.20	56.84
83.75- 85.25	135	736	8.92	48.65
82.25- 83.75	128	601	8.46	39.72
80.75- 82.25	116	473	7.67	31.26
79.25- 80.75	108	357	7.14	23.60
77.75- 79.25	84	249	5.55	16.46
76.25- 77.75	57	165	3.77	10.91
74.75- 76.25	46	108	3.04	7.14
73.25- 74.75	35	62	2.31	4.10
71.75- 73.25	13	27	0.86	1.78
70.25- 71.75	8	14	0.53	0.93
68.75- 70.25	4	6	0.26	0.40
67.25- 68.75	2	2	0.13	0.13

*IN CENTIMETERS

CENTIMETERS	INCHES
86.17	MEAN VALUE 33.93
0.19	SE(MEAN) 0.07
7.35	SD DEVIATION 2.89
0.13	SE(SD DEV) 0.05

SYMMETRY---	VETA I = 0.66
KURTOSIS---	VETA II = 3.94
COEF. OF VARIATION	= 8.5%

NUMBER OF SUBJECTS = 1513

THE PERCENTILES

CENTIMETERS	INCHES
108.49	99TH 42.71
104.39	98TH 41.10
102.09	97TH 40.19
99.27	95TH 39.08
95.53	90TH 37.61
93.31	85TH 36.74
91.69	80TH 36.10
90.37	75TH 35.58
89.24	70TH 35.13
88.23	65TH 34.74
87.29	60TH 34.37
86.41	55TH 34.02
85.55	50TH 33.68
84.70	45TH 33.35
83.85	40TH 33.01
82.99	35TH 32.67
82.08	30TH 32.32
81.11	25TH 31.93
80.04	20TH 31.51
78.83	15TH 31.03
77.33	10TH 30.44
75.23	5TH 29.62
73.99	3RD 29.13
73.17	2ND 28.81
72.05	1ST 28.37

129B ABDOMINAL EXTENSION CIRCUMFERENCE, OVER FOUNDATION GARMENT

RANGES*	F	CUMF	FPCT	CUMPC
116.75-118.25	3	1513	0.20	100.00
115.25-116.75	2	1510	0.13	99.80
113.75-115.25	3	1508	0.20	99.67
112.25-113.75	3	1505	0.20	99.47
110.75-112.25	2	1502	0.13	99.27
109.25-110.75	3	1500	0.20	99.14
107.75-109.25	3	1497	0.20	98.94
106.25-107.75	3	1494	0.20	98.74
104.75-106.25	8	1491	0.53	98.55
103.25-104.75	17	1483	1.12	98.02
101.75-103.25	15	1466	0.99	96.89
100.25-101.75	16	1451	1.06	95.90
98.75-100.25	20	1435	1.32	94.84
97.25- 98.75	41	1415	2.71	93.52
95.75- 97.25	45	1374	2.97	90.81
94.25- 95.75	61	1329	4.03	87.84
92.75- 94.25	83	1268	5.49	83.81
91.25- 92.75	64	1185	4.23	78.32
89.75- 91.25	115	1121	7.60	74.09
88.25- 89.75	123	1006	8.13	66.49
86.75- 88.25	132	883	8.72	58.36
85.25- 86.75	126	751	8.33	49.64
83.75- 85.25	127	625	8.39	41.31
82.25- 83.75	141	498	9.32	32.91
80.75- 82.25	96	357	6.35	23.60
79.25- 80.75	100	261	6.61	17.25
77.75- 79.25	60	161	3.97	10.64
76.25- 77.75	48	101	3.17	6.68
74.75- 76.25	28	53	1.85	3.50
73.25- 74.75	11	25	0.73	1.65
71.75- 73.25	9	14	0.59	0.93
70.25- 71.75	4	5	0.26	0.33
68.75- 70.25	1	1	0.07	0.07

*IN CENTIMETERS

CENTIMETERS	INCHES
87.48	MEAN VALUE 34.44
0.19	SE(MEAN) 0.07
7.26	SD DEVIATION 2.86
0.13	SE(SD DEV) 0.05

SYMMETRY---	VETA I = 0.72
KURTOSIS---	VETA II = 4.11
COEF. OF VARIATION =	8.3%

NUMBER OF SUBJECTS = 1513

THE PERCENTILES

CENTIMETERS		INCHES
109.26	99TH	43.02
105.45	98TH	41.52
103.26	97TH	40.65
100.53	95TH	39.58
96.82	90TH	38.12
94.58	85TH	37.24
92.95	80TH	36.59
91.60	75TH	36.06
90.46	70TH	35.61
89.44	65TH	35.21
88.50	60TH	34.84
87.62	55TH	34.50
86.77	50TH	34.16
85.93	45TH	33.83
85.11	40TH	33.51
84.27	35TH	33.18
83.40	30TH	32.84
82.48	25TH	32.47
81.47	20TH	32.07
80.32	15TH	31.62
78.92	10TH	31.07
76.92	5TH	30.28
75.70	3RD	29.80
74.85	2ND	29.47
73.62	1ST	28.98

130A HIP CIRCUMFERENCE - 7" BELOW WAIST LEVEL - SUBJECTS IN OFG SERIES

RANGES*	F	CUMF	FPCT	CUMPT
116.25-117.25	1	1513	0.07	100.00
115.25-116.25	3	1512	0.20	99.93
114.25-115.25	1	1509	0.07	99.74
113.25-114.25	4	1508	0.26	99.67
112.25-113.25	3	1504	0.20	99.41
111.25-112.25	4	1501	0.26	99.21
110.25-111.25	1	1497	0.07	98.94
109.25-110.25	7	1496	0.46	98.88
108.25-109.25	5	1489	0.33	98.41
107.25-108.25	3	1484	0.20	98.08
106.25-107.25	8	1481	0.53	97.88
105.25-106.25	8	1473	0.53	97.36
104.25-105.25	11	1465	0.73	96.83
103.25-104.25	25	1454	1.65	96.10
102.25-103.25	26	1429	1.72	94.45
101.25-102.25	32	1403	2.12	92.73
100.25-101.25	43	1371	2.84	90.61
99.25-100.25	50	1328	3.30	87.77
98.25- 99.25	61	1278	4.03	84.47
97.25- 98.25	70	1217	4.63	80.44
96.25- 97.25	89	1147	5.88	75.81
95.25- 96.25	108	1058	7.14	69.93
94.25- 95.25	105	950	6.94	62.79
93.25- 94.25	113	845	7.47	55.85
92.25- 93.25	109	732	7.20	48.38
91.25- 92.25	128	623	8.46	41.18
90.25- 91.25	103	495	6.81	32.72
89.25- 90.25	96	392	6.35	25.91
88.25- 89.25	81	296	5.35	19.56
87.25- 88.25	75	215	4.96	14.21
86.25- 87.25	37	140	2.45	9.25
85.25- 86.25	36	103	2.38	6.81
84.25- 85.25	22	67	1.45	4.43
83.25- 84.25	16	45	1.06	2.97
82.25- 83.25	13	29	0.86	1.92
81.25- 82.25	8	16	0.53	1.06
80.25- 81.25	5	8	0.33	0.53
79.25- 80.25	1	3	0.07	0.20
78.25- 79.25	2	2	0.13	0.13

CENTIMETERS INCHES

93.94 MEAN VALUE 36.99
0.14 SE(MEAN) 0.06
5.63 SD DEVIATION 2.22
0.10 SE(SD DEV) 0.04

SYMMETRY---VETA I = 0.62
KURTOSIS---VETA II = 4.02
COEF. OF VARIATION = 6.0%

NUMBER OF SUBJECTS = 1513

THE PERCENTILES

CENTIMETERS INCHES

111.21	99TH	43.78
107.86	98TH	42.47
106.01	97TH	41.74
103.78	95TH	40.86
100.88	90TH	39.72
99.21	85TH	39.06
98.01	80TH	38.58
97.03	75TH	38.20
96.21	70TH	37.88
95.47	65TH	37.59
94.79	60TH	37.32
94.14	55TH	37.06
93.52	50TH	36.82
92.89	45TH	36.57
92.27	40TH	36.33
91.62	35TH	36.07
90.94	30TH	35.80
90.20	25TH	35.51
89.37	20TH	35.18
88.40	15TH	34.80
87.17	10TH	34.32
85.36	5TH	33.61
84.21	3RD	33.15
83.40	2ND	32.84
82.21	1ST	32.36

*IN CENTIMETERS

**130B HIP CIRCUMFERENCE - 7" BELOW WAIST LEVEL, OVER FOUNDATION
GARMENT**

					CENTIMETERS		INCHES
RANGES*	F	CUMF	FPCT	CUMPT			
118.25-119.25	1	1513	0.07	100.00	93.71	MEAN VALUE	36.90
117.25-118.25	2	1512	0.13	99.93	0.15	SE(MEAN)	0.06
116.25-117.25	1	1510	0.07	99.80	5.65	SD DEVIATION	2.22
115.25-116.25	3	1509	0.20	99.74	0.10	SE(SD DEV)	0.04
114.25-115.25	2	1506	0.13	99.54	****		
113.25-114.25	1	1504	0.07	99.41			
112.25-113.25	1	1503	0.07	99.34			
111.25-112.25	4	1502	0.26	99.27			
110.25-111.25	3	1498	0.20	99.01			
109.25-110.25	4	1495	0.26	98.81			
108.25-109.25	4	1491	0.26	98.55			
107.25-108.25	7	1487	0.46	98.28	****		
106.25-107.25	5	1480	0.33	97.82			
105.25-106.25	13	1475	0.86	97.49			
104.25-105.25	15	1462	0.99	96.63			
103.25-104.25	13	1447	0.86	95.64			
102.25-103.25	24	1434	1.59	94.78			
101.25-102.25	28	1410	1.85	93.19			
100.25-101.25	35	1382	2.31	91.34			
99.25-100.25	51	1347	3.37	89.03			
98.25- 99.25	48	1296	3.17	85.66			
97.25- 98.25	83	1248	5.49	82.49			
96.25- 97.25	81	1165	5.35	77.00			
95.25- 96.25	109	1084	7.20	71.65			
94.25- 95.25	104	975	6.87	64.44			
93.25- 94.25	120	871	7.93	57.57			
92.25- 93.25	112	751	7.40	49.64			
91.25- 92.25	117	639	7.73	42.23			
90.25- 91.25	120	522	7.93	34.50			
89.25- 90.25	93	402	6.15	26.57			
88.25- 89.25	72	309	4.76	20.42			
87.25- 88.25	72	237	4.76	15.66			
86.25- 87.25	52	165	3.44	10.91			
85.25- 86.25	45	113	2.97	7.47			
84.25- 85.25	25	68	1.65	4.49			
83.25- 84.25	18	43	1.19	2.84			
82.25- 83.25	12	25	0.79	1.65			
81.25- 82.25	6	13	0.40	0.86			
80.25- 81.25	5	7	0.33	0.46			
79.25- 80.25	0	2	0.00	0.13			
78.25- 79.25	1	2	0.07	0.13			
77.25- 78.25	1	1	0.07	0.07			
					THE PERCENTILES		
					CENTIMETERS		INCHES
					111.09	99TH	43.74
					107.69	98TH	42.40
					105.82	97TH	41.66
					103.57	95TH	40.78
					100.66	90TH	39.63
					98.98	85TH	38.97
					97.78	80TH	38.50
					96.81	75TH	38.11
					95.98	70TH	37.79
					95.24	65TH	37.50
					94.56	60TH	37.23
					93.92	55TH	36.98
					93.29	50TH	36.73
					92.67	45TH	36.48
					92.04	40TH	36.24
					91.40	35TH	35.98
					90.72	30TH	35.72
					89.98	25TH	35.43
					89.16	20TH	35.10
					88.21	15TH	34.73
					87.01	10TH	34.26
					85.29	5TH	33.58
					84.25	3RD	33.17
					83.53	2ND	32.88
					82.52	1ST	32.49

*IN CENTIMETERS

131A HIP CIRCUMFERENCE - 9" BELOW WAIST LEVEL - SUBJECTS IN OFG SERIES

RANGES*	F	CUMF	FPCT	CUMPT
119.25-120.25	1	1513	0.07	100.00
118.25-119.25	2	1512	0.13	99.93
117.25-118.25	2	1510	0.13	99.80
116.25-117.25	0	1508	0.00	99.67
115.25-116.25	0	1508	0.00	99.67
114.25-115.25	3	1508	0.20	99.67
113.25-114.25	6	1505	0.40	99.47
112.25-113.25	3	1499	0.20	99.07
111.25-112.25	5	1496	0.33	98.88
110.25-111.25	7	1491	0.46	98.55
109.25-110.25	7	1484	0.46	98.08
108.25-109.25	6	1477	0.40	97.62
107.25-108.25	11	1471	0.73	97.22
106.25-107.25	13	1460	0.86	96.50
105.25-106.25	21	1447	1.39	95.64
104.25-105.25	25	1426	1.65	94.25
103.25-104.25	31	1401	2.05	92.60
102.25-103.25	45	1370	2.97	90.55
101.25-102.25	45	1325	2.97	87.57
100.25-101.25	62	1280	4.10	84.60
99.25-100.25	87	1218	5.75	80.50
98.25- 99.25	82	1131	5.42	74.75
97.25- 98.25	92	1049	6.08	69.33
96.25- 97.25	105	957	6.94	63.25
95.25- 96.25	101	852	6.68	56.31
94.25- 95.25	104	751	6.87	49.64
93.25- 94.25	82	647	5.42	42.76
92.25- 93.25	116	565	7.67	37.34
91.25- 92.25	100	449	6.61	29.68
90.25- 91.25	73	349	4.82	23.07
89.25- 90.25	65	276	4.30	18.24
88.25- 89.25	54	211	3.57	13.95
87.25- 88.25	47	157	3.11	10.38
86.25- 87.25	39	110	2.58	7.27
85.25- 86.25	26	71	1.72	4.69
84.25- 85.25	14	45	0.93	2.97
83.25- 84.25	6	31	0.40	2.05
82.25- 83.25	12	25	0.79	1.65
81.25- 82.25	4	13	0.26	0.86
80.25- 81.25	6	9	0.40	0.59
79.25- 80.25	1	3	0.07	0.20
78.25- 79.25	0	2	0.00	0.13
77.25- 78.25	1	2	0.07	0.13
76.25- 77.25	1	1	0.07	0.07

CENTIMETERS	INCHES
95.59 MEAN VALUE	37.63
0.16 SE(MEAN)	0.06
6.04 SD DEVIATION	2.38
0.11 SE(SD DEV)	0.04

SYMMETRY---VETA I = 0.41
KURTOSIS---VETA II = 3.68
COEF. OF VARIATION = 6.3%

NUMBER OF SUBJECTS = 1513

THE PERCENTILES

CENTIMETERS	INCHES
112.85	99TH 44.43
109.83	98TH 43.24
108.12	97TH 42.57
106.01	95TH 41.74
103.15	90TH 40.61
101.43	85TH 39.93
100.17	80TH 39.44
99.13	75TH 39.03
98.23	70TH 38.67
97.42	65TH 38.35
96.67	60TH 38.06
95.96	55TH 37.78
95.26	50TH 37.50
94.56	45TH 37.23
93.87	40TH 36.96
93.15	35TH 36.67
92.39	30TH 36.38
91.57	25TH 36.05
90.66	20TH 35.69
89.59	15TH 35.27
88.24	10TH 34.74
86.24	5TH 33.95
84.97	3RD 33.45
84.05	2ND 33.09
82.65	1ST 32.54

*IN CENTIMETERS

**131B HIP CIRCUMFERENCE - 9" BELOW WAIST LEVEL, OVER FOUNDATION
GARMENT**

RANGES*	F	CUMF	FPCT	CUMPT
119.25-120.25	2	1513	0.13	100.00
118.25-119.25	0	1511	0.00	99.87
117.25-118.25	0	1511	0.00	99.87
116.25-117.25	2	1511	0.13	99.87
115.25-116.25	2	1509	0.13	99.74
114.25-115.25	4	1507	0.26	99.60
113.25-114.25	4	1503	0.26	99.34
112.25-113.25	0	1499	0.00	99.07
111.25-112.25	3	1499	0.20	99.07
110.25-111.25	7	1496	0.46	98.88
109.25-110.25	3	1489	0.20	98.41
108.25-109.25	5	1486	0.33	98.22
107.25-108.25	12	1481	0.79	97.88
106.25-107.25	9	1469	0.59	97.09
105.25-106.25	14	1460	0.93	96.50
104.25-105.25	28	1446	1.85	95.57
103.25-104.25	34	1418	2.25	93.72
102.25-103.25	31	1384	2.05	91.47
101.25-102.25	49	1353	3.24	89.42
100.25-101.25	53	1304	3.50	86.19
99.25-100.25	78	1251	5.16	82.68
98.25- 99.25	89	1173	5.88	77.53
97.25- 98.25	91	1084	6.01	71.65
96.25- 97.25	119	993	7.87	65.63
95.25- 96.25	110	874	7.27	57.77
94.25- 95.25	96	764	6.35	50.50
93.25- 94.25	92	668	6.08	44.15
92.25- 93.25	120	576	7.93	38.07
91.25- 92.25	95	456	6.28	30.14
90.25- 91.25	70	361	4.63	23.86
89.25- 90.25	75	291	4.96	19.23
88.25- 89.25	57	216	3.77	14.28
87.25- 88.25	50	159	3.30	10.51
86.25- 87.25	40	109	2.64	7.20
85.25- 86.25	23	69	1.52	4.56
84.25- 85.25	17	46	1.12	3.04
83.25- 84.25	5	29	0.33	1.92
82.25- 83.25	9	24	0.59	1.59
81.25- 82.25	7	15	0.46	0.99
80.25- 81.25	4	8	0.26	0.53
79.25- 80.25	1	4	0.07	0.26
78.25- 79.25	2	3	0.13	0.20
77.25- 78.25	1	1	0.07	0.07

*IN CENTIMETERS

CENTIMETERS	INCHES
95.30	MEAN VALUE 37.52
0.15	SE(MEAN) 0.06
5.83	SD DEVIATION 2.30
0.11	SE(SD DEV) 0.04

SYMMETRY---	VETA I = 0.43
KURTOSIS---	VETA II = 3.88
COEF. OF VARIATION =	6.1%

NUMBER OF SUBJECTS = 1513

THE PERCENTILES

CENTIMETERS	INCHES
111.64	99TH 43.95
108.78	98TH 42.83
107.17	97TH 42.19
105.18	95TH 41.41
102.50	90TH 40.35
100.89	85TH 39.72
99.70	80TH 39.25
98.72	75TH 38.87
97.87	70TH 38.53
97.11	65TH 38.23
96.40	60TH 37.95
95.72	55TH 37.69
95.05	50TH 37.42
94.39	45TH 37.16
93.72	40TH 36.90
93.02	35TH 36.62
92.29	30TH 36.34
91.49	25TH 36.02
90.59	20TH 35.67
89.55	15TH 35.25
88.21	10TH 34.73
86.23	5TH 33.95
84.95	3RD 33.44
84.03	2ND 33.08
82.63	1ST 32.53

132A WAIST BREADTH - SUBJECTS IN OFG SERIES

CENTIMETERS		INCHES
24.22	MEAN VALUE	9.54
0.05	SE(MEAN)	0.02
1.93	SD DEVIATION	0.76
0.04	SE(SD DEV)	0.01

SYMMETRY---	VETA I =	0.56
KURTOSIS---	VETA II =	3.64
COEF. OF VARIATION =		8.0%

NUMBER OF SUBJECTS = 1513

THE PERCENTILES

CENTIMETERS		INCHES
29.60	99TH	11.65
28.77	98TH	11.33
28.27	97TH	11.13
27.64	95TH	10.88
26.73	90TH	10.53
26.17	85TH	10.30
25.74	80TH	10.14
25.39	75TH	10.00
25.08	70TH	9.87
24.80	65TH	9.76
24.55	60TH	9.66
24.30	55TH	9.57
24.07	50TH	9.47
23.83	45TH	9.38
23.60	40TH	9.29
23.37	35TH	9.20
23.12	30TH	9.10
22.87	25TH	9.00
22.58	20TH	8.89
22.26	15TH	8.76
21.87	10TH	8.61
21.31	5TH	8.39
20.97	3RD	8.25
20.72	2ND	8.16
20.37	1ST	8.02

RANGES*	F	CUMF	FPCT	CUMPCT
32.25- 32.75	2	1513	0.13	100.00
31.75- 32.25	1	1511	0.07	99.87
31.25- 31.75	0	1510	0.00	99.80
30.75- 31.25	1	1510	0.07	99.80
30.25- 30.75	5	1509	0.33	99.74
29.75- 30.25	5	1504	0.33	99.41
29.25- 29.75	4	1499	0.26	99.07
28.75- 29.25	8	1495	0.53	98.81
28.25- 28.75	24	1487	1.59	98.28
27.75- 28.25	17	1463	1.12	96.70
27.25- 27.75	43	1446	2.84	95.57
26.75- 27.25	49	1403	3.24	92.73
26.25- 26.75	55	1354	3.64	89.49
25.75- 26.25	84	1299	5.55	85.86
25.25- 25.75	106	1215	7.01	80.30
24.75- 25.25	128	1109	8.46	73.30
24.25- 24.75	149	981	9.85	64.84
23.75- 24.25	171	832	11.30	54.99
23.25- 23.75	191	661	12.62	43.69
22.75- 23.25	143	470	9.45	31.06
22.25- 22.75	115	327	7.60	21.61
21.75- 22.25	73	212	4.82	14.01
21.25- 21.75	58	139	3.83	9.19
20.75- 21.25	52	81	3.44	5.35
20.25- 20.75	20	29	1.32	1.92
19.75- 20.25	7	9	0.46	0.59
19.25- 19.75	1	2	0.07	0.13
18.75- 19.25	1	1	0.07	0.07

*IN CENTIMETERS

132B WAIST BREADTH, OVER FOUNDATION GARMENT

CENTIMETERS INCHES

21.39 MEAN VALUE 8.42
0.05 SE(MEAN) 0.02
1.92 SD DEVIATION 0.75
0.03 SE(SD DEV) 0.01

SYMMETRY---VETA I = 0.73
KURTOSIS---VETA II = 3.85
COEF. OF VARIATION = 8.9%

NUMBER OF SUBJECTS = 1513

THE PERCENTILES

CENTIMETERS INCHES

26.88	99TH	10.58
26.05	98TH	10.26
25.55	97TH	10.06
24.90	95TH	9.80
23.95	90TH	9.43
23.36	85TH	9.20
22.91	80TH	9.02
22.54	75TH	8.87
22.22	70TH	8.75
21.93	65TH	8.63
21.67	60TH	8.53
21.42	55TH	8.43
21.18	50TH	8.34
20.95	45TH	8.25
20.72	40TH	8.16
20.49	35TH	8.07
20.26	30TH	7.98
20.02	25TH	7.88
19.76	20TH	7.78
19.47	15TH	7.66
19.12	10TH	7.53
18.64	5TH	7.34
18.36	3RD	7.23
18.16	2ND	7.15
17.88	1ST	7.04

RANGES* F CUMF FPCT CUMPCT

30.75- 31.25	1	1513	0.07	100.00
30.25- 30.75	0	1512	0.00	99.93
29.75- 30.25	0	1512	0.00	99.93
29.25- 29.75	2	1512	0.13	99.93
28.75- 29.25	1	1510	0.07	99.80
28.25- 28.75	1	1509	0.07	99.74
27.75- 28.25	1	1508	0.07	99.67
27.25- 27.75	5	1507	0.33	99.60
26.75- 27.25	6	1502	0.40	99.27
26.25- 26.75	7	1496	0.46	98.88
25.75- 26.25	12	1489	0.79	98.41
25.25- 25.75	25	1477	1.65	97.62
24.75- 25.25	24	1452	1.59	95.97
24.25- 24.75	41	1428	2.71	94.38
23.75- 24.25	45	1387	2.97	91.67
23.25- 23.75	63	1342	4.16	88.70
22.75- 23.25	103	1279	6.81	84.53
22.25- 22.75	110	1176	7.27	77.73
21.75- 22.25	130	1066	8.59	70.46
21.25- 21.75	156	936	10.31	61.86
20.75- 21.25	157	780	10.38	51.55
20.25- 20.75	181	623	11.96	41.18
19.75- 20.25	141	442	9.32	29.21
19.25- 19.75	133	301	8.79	19.89
18.75- 19.25	82	168	5.42	11.10
18.25- 18.75	49	86	3.24	5.68
17.75- 18.25	31	37	2.05	2.45
17.25- 17.75	6	6	0.40	0.40

*IN CENTIMETERS

133A HIP BREADTH - SUBJECTS IN OFG SERIES

CENTIMETERS INCHES

35.07 MEAN VALUE 13.81
0.06 SE(MEAN) 0.02
2.25 SD DEVIATION 0.88
0.04 SE(SD DEV) 0.02

RANGES*	F	CUMF	FPCT	CUMPCCT
43.75- 44.25	2	1513	0.13	100.00
43.25- 43.75	0	1511	0.00	99.87
42.75- 43.25	3	1511	0.20	99.87
42.25- 42.75	1	1508	0.07	99.67
41.75- 42.25	1	1507	0.07	99.60
41.25- 41.75	2	1506	0.13	99.54
40.75- 41.25	9	1504	0.59	99.41
40.25- 40.75	12	1495	0.79	98.81
39.75- 40.25	15	1483	0.99	98.02
39.25- 39.75	20	1468	1.32	97.03
38.75- 39.25	27	1448	1.78	95.70
38.25- 38.75	40	1421	2.64	93.92
37.75- 38.25	38	1381	2.51	91.28
37.25- 37.75	63	1343	4.16	88.76
36.75- 37.25	79	1280	5.22	84.60
36.25- 36.75	90	1201	5.95	79.38
35.75- 36.25	127	1111	8.39	73.43
35.25- 35.75	135	984	8.92	65.04
34.75- 35.25	165	849	10.91	56.11
34.25- 34.75	131	684	8.66	45.21
33.75- 34.25	122	553	8.06	36.55
33.25- 33.75	108	431	7.14	28.49
32.75- 33.25	97	323	6.41	21.35
32.25- 32.75	85	226	5.62	14.94
31.75- 32.25	49	141	3.24	9.32
31.25- 31.75	44	92	2.91	6.08
30.75- 31.25	20	48	1.32	3.17
30.25- 30.75	13	28	0.86	1.85
29.75- 30.25	9	15	0.59	0.99
29.25- 29.75	3	6	0.20	0.40
28.75- 29.25	2	3	0.13	0.20
28.25- 28.75	1	1	0.07	0.07

SYMMETRY---VETA I = 0.38
KURTOSIS---VETA II = 3.44
COEF. OF VARIATION = 6.4%

NUMBER OF SUBJECTS = 1513

THE PERCENTILES

CENTIMETERS INCHES

41.00	99TH	16.14
40.18	98TH	15.82
39.67	97TH	15.62
38.99	95TH	15.35
38.00	90TH	14.96
37.36	85TH	14.71
36.87	80TH	14.51
36.46	75TH	14.35
36.10	70TH	14.21
35.78	65TH	14.09
35.48	60TH	13.97
35.19	55TH	13.86
34.92	50TH	13.75
34.65	45TH	13.64
34.38	40TH	13.53
34.10	35TH	13.43
33.82	30TH	13.31
33.52	25TH	13.20
33.18	20TH	13.06
32.80	15TH	12.91
32.32	10TH	12.73
31.62	5TH	12.45
31.15	3RD	12.27
30.81	2ND	12.13
30.24	1ST	11.91

*IN CENTIMETERS

133B HIP BREADTH, OVER FOUNDATION GARMENT

CENTIMETERS INCHES

33.67 MEAN VALUE 13.26
0.06 SE(MEAN) 0.02
2.14 SD DEVIATION 0.84
0.04 SE(SD DEV) 0.02

RANGES*	F	CUMF	FPCT	CUMPCT
42.25- 42.75	3	1513	0.20	100.00
41.75- 42.25	1	1510	0.07	99.80
41.25- 41.75	1	1509	0.07	99.74
40.75- 41.25	1	1508	0.07	99.67
40.25- 40.75	2	1507	0.13	99.60
39.75- 40.25	3	1505	0.20	99.47
39.25- 39.75	5	1502	0.33	99.27
38.75- 39.25	8	1497	0.53	98.94
38.25- 38.75	15	1489	0.99	98.41
37.75- 38.25	24	1474	1.59	97.42
37.25- 37.75	19	1450	1.26	95.84
36.75- 37.25	30	1431	1.98	94.58
36.25- 36.75	53	1401	3.50	92.60
35.75- 36.25	80	1348	5.29	89.09
35.25- 35.75	85	1268	5.62	83.81
34.75- 35.25	99	1183	6.54	78.19
34.25- 34.75	126	1084	8.33	71.65
33.75- 34.25	149	958	9.85	63.32
33.25- 33.75	155	809	10.24	53.47
32.75- 33.25	138	654	9.12	43.23
32.25- 32.75	118	516	7.80	34.10
31.75- 32.25	128	398	8.46	26.31
31.25- 31.75	96	270	6.35	17.85
30.75- 31.25	71	174	4.69	11.50
30.25- 30.75	40	103	2.64	6.81
29.75- 30.25	28	63	1.85	4.16
29.25- 29.75	17	35	1.12	2.31
28.75- 29.25	8	18	0.53	1.19
28.25- 28.75	6	10	0.40	0.66
27.75- 28.25	2	4	0.13	0.26
27.25- 27.75	2	2	0.13	0.13

SYMMETRY---VETA I = 0.42
KURTOSIS---VETA II = 3.63
COEF. OF VARIATION = 6.4%

NUMBER OF SUBJECTS = 1513

THE PERCENTILES

CENTIMETERS INCHES

39.36	99TH	15.49
38.55	98TH	15.18
38.05	97TH	14.98
37.41	95TH	14.73
36.46	90TH	14.35
35.85	85TH	14.12
35.39	80TH	13.93
35.01	75TH	13.78
34.67	70TH	13.65
34.37	65TH	13.53
34.08	60TH	13.42
33.82	55TH	13.31
33.56	50TH	13.21
33.30	45TH	13.11
33.04	40TH	13.01
32.78	35TH	12.91
32.51	30TH	12.80
32.22	25TH	12.69
31.90	20TH	12.56
31.53	15TH	12.41
31.07	10TH	12.23
30.39	5TH	11.96
29.94	3RD	11.79
29.61	2ND	11.66
29.07	1ST	11.45

*IN CENTIMETERS

134A WAIST DEPTH - SUBJECTS IN OFG SERIES

CENTIMETERS INCHES

17.12 MEAN VALUE 6.74
0.04 SE(MEAN) 0.02
1.69 SD DEVIATION 0.67
0.03 SE(SD DEV) 0.01

RANGES* F CUMF FPCT CUMPT

25.25- 25.75	1	1513	0.07	100.00
24.75- 25.25	0	1512	0.00	99.93
24.25- 24.75	3	1512	0.20	99.93
23.75- 24.25	1	1509	0.07	99.74
23.25- 23.75	8	1508	0.53	99.67
22.75- 23.25	4	1500	0.26	99.14
22.25- 22.75	6	1496	0.40	98.88
21.75- 22.25	11	1490	0.73	98.48
21.25- 21.75	13	1479	0.86	97.75
20.75- 21.25	13	1466	0.86	96.89
20.25- 20.75	20	1453	1.32	96.03
19.75- 20.25	25	1433	1.65	94.71
19.25- 19.75	33	1408	2.18	93.06
18.75- 19.25	63	1375	4.16	90.88
18.25- 18.75	109	1312	7.20	86.72
17.75- 18.25	106	1203	7.01	79.51
17.25- 17.75	186	1097	12.29	72.50
16.75- 17.25	219	911	14.47	60.21
16.25- 16.75	205	692	13.55	45.74
15.75- 16.25	188	487	12.43	32.19
15.25- 15.75	151	299	9.98	19.76
14.75- 15.25	98	148	6.48	9.78
14.25- 14.75	38	50	2.51	3.30
13.75- 14.25	6	12	0.40	0.79
13.25- 13.75	5	6	0.33	0.40
12.75- 13.25	1	1	0.07	0.07

SYMMETRY---VETA I = 1.17
KURTOSIS---VETA II = 5.35
COEF. OF VARIATION = 9.9%

NUMBER OF SUBJECTS = 1513

THE PERCENTILES

CENTIMETERS INCHES

23.08	99TH	9.09
21.85	98TH	8.60
21.16	97TH	8.33
20.34	95TH	8.01
19.29	90TH	7.59
18.69	85TH	7.36
18.27	80TH	7.19
17.95	75TH	7.07
17.68	70TH	6.96
17.44	65TH	6.87
17.23	60TH	6.78
17.04	55TH	6.71
16.86	50TH	6.64
16.68	45TH	6.57
16.51	40TH	6.50
16.34	35TH	6.43
16.16	30TH	6.36
15.98	25TH	6.29
15.78	20TH	6.21
15.55	15TH	6.12
15.28	10TH	6.01
14.89	5TH	5.86
14.66	3RD	5.77
14.50	2ND	5.71
14.29	1ST	5.62

*IN CENTIMETERS

134B WAIST DEPTH, OVER FOUNDATION GARMENT

CENTIMETERS

INCHES

15.65 MEAN VALUE 6.16
0.05 SE(MEAN) 0.02
1.85 SD DEVIATION 0.73
0.03 SE(SD DEV) 0.01

SYMMETRY---VETA I = 1.18
KURTOSIS---VETA II = 5.35
COEF. OF VARIATION = 11.8%

NUMBER OF SUBJECTS = 1513

THE PERCENTILES

CENTIMETERS

INCHES

22.07	99TH	8.69
20.77	98TH	8.18
20.05	97TH	7.89
19.17	95TH	7.55
18.03	90TH	7.10
17.38	85TH	6.84
16.93	80TH	6.66
16.57	75TH	6.52
16.27	70TH	6.41
16.01	65TH	6.30
15.78	60TH	6.21
15.57	55TH	6.13
15.37	50TH	6.05
15.17	45TH	5.97
14.98	40TH	5.90
14.79	35TH	5.82
14.60	30TH	5.75
14.40	25TH	5.67
14.18	20TH	5.58
13.93	15TH	5.48
13.62	10TH	5.36
13.19	5TH	5.19
12.92	3RD	5.09
12.73	2ND	5.01
12.45	1ST	4.90

RANGES*	F	CUMF	FPCT	CUMPT
24.25- 24.75	3	1513	0.20	100.00
23.75- 24.25	1	1510	0.07	99.80
23.25- 23.75	0	1509	0.00	99.74
22.75- 23.25	1	1509	0.07	99.74
22.25- 22.75	6	1508	0.40	99.67
21.75- 22.25	7	1502	0.46	99.27
21.25- 21.75	5	1495	0.33	98.81
20.75- 21.25	10	1490	0.66	98.48
20.25- 20.75	9	1480	0.59	97.82
19.75- 20.25	13	1471	0.86	97.22
19.25- 19.75	18	1458	1.19	96.36
18.75- 19.25	21	1440	1.39	95.18
18.25- 18.75	40	1419	2.64	93.79
17.75- 18.25	42	1379	2.78	91.14
17.25- 17.75	59	1337	3.90	88.37
16.75- 17.25	89	1278	5.88	84.47
16.25- 16.75	117	1189	7.73	78.59
15.75- 16.25	164	1072	10.84	70.85
15.25- 15.75	227	908	15.00	60.01
14.75- 15.25	193	681	12.76	45.01
14.25- 14.75	152	488	10.05	32.25
13.75- 14.25	151	336	9.98	22.21
13.25- 13.75	101	185	6.68	12.23
12.75- 13.25	54	84	3.57	5.55
12.25- 12.75	26	30	1.72	1.98
11.75- 12.25	3	4	0.20	0.26
11.25- 11.75	1	1	0.07	0.07

*IN CENTIMETERS

135A ABDOMINAL EXTENSION DEPTH - SUBJECTS IN OFG SERIES

CENTIMETERS INCHES

21.05 MEAN VALUE 8.29
0.06 SE(MEAN) 0.02
2.14 SD DEVIATION 0.84
0.04 SE(SD DEV) 0.02

RANGES* F CUMF FPCT CUMPT

30.25- 30.75	1	1513	0.07	100.00
29.75- 30.25	4	1512	0.26	99.93
29.25- 29.75	2	1508	0.13	99.67
28.75- 29.25	3	1506	0.20	99.54
28.25- 28.75	7	1503	0.46	99.34
27.75- 28.25	2	1496	0.13	98.88
27.25- 27.75	3	1494	0.20	98.74
26.75- 27.25	6	1491	0.40	98.55
26.25- 26.75	12	1485	0.79	98.15
25.75- 26.25	13	1473	0.86	97.36
25.25- 25.75	10	1460	0.66	96.50
24.75- 25.25	24	1450	1.59	95.84
24.25- 24.75	26	1426	1.72	94.25
23.75- 24.25	31	1400	2.05	92.53
23.25- 23.75	57	1369	3.77	90.48
22.75- 23.25	65	1312	4.30	86.72
22.25- 22.75	88	1247	5.82	82.42
21.75- 22.25	108	1159	7.14	76.60
21.25- 21.75	154	1051	10.18	69.46
20.75- 21.25	153	897	10.11	59.29
20.25- 20.75	165	744	10.91	49.17
19.75- 20.25	159	579	10.51	38.27
19.25- 19.75	139	420	9.19	27.76
18.75- 19.25	90	281	5.95	18.57
18.25- 18.75	100	191	6.61	12.62
17.75- 18.25	53	91	3.50	6.01
17.25- 17.75	21	38	1.39	2.51
16.75- 17.25	9	17	0.59	1.12
16.25- 16.75	5	8	0.33	0.53
15.75- 16.25	3	3	0.20	0.20

SYMMETRY---VETA I = 0.97
KURTOSIS---VETA II = 4.80
COEF. OF VARIATION = 10.2%

NUMBER OF SUBJECTS = 1513

THE PERCENTILES

CENTIMETERS INCHES

28.31	99TH	11.15
26.80	98TH	10.55
25.97	97TH	10.23
24.99	95TH	9.84
23.73	90TH	9.34
23.02	85TH	9.06
22.53	80TH	8.87
22.13	75TH	8.71
21.80	70TH	8.58
21.52	65TH	8.47
21.26	60TH	8.37
21.01	55TH	8.27
20.78	50TH	8.18
20.55	45TH	8.09
20.33	40TH	8.00
20.10	35TH	7.91
19.86	30TH	7.82
19.61	25TH	7.72
19.33	20TH	7.61
19.01	15TH	7.49
18.62	10TH	7.33
18.06	5TH	7.11
17.74	3RD	6.98
17.52	2ND	6.90
17.22	1ST	6.78

*IN CENTIMETERS

135B ABDOMINAL EXTENSION DEPTH, OVER FOUNDATION GARMENT

CENTIMETERS INCHES

19.80 MEAN VALUE 7.79
0.06 SE(MEAN) 0.02
2.46 SD DEVIATION 0.97
0.04 SE(SD DEV) 0.02

SYMMETRY---VETA I = 0.96
KURTOSIS---VETA II = 4.49
COEF. OF VARIATION = 12.4%

NUMBER OF SUBJECTS = 1513

THE PERCENTILES

CENTIMETERS INCHES

27.90 99TH 10.99
26.37 98TH 10.38
25.50 97TH 10.04
24.43 95TH 9.62
23.00 90TH 9.06
22.17 85TH 8.73
21.58 80TH 8.49
21.10 75TH 8.31
20.70 70TH 8.15
20.35 65TH 8.01
20.03 60TH 7.89
19.74 55TH 7.77
19.46 50TH 7.66
19.19 45TH 7.55
18.92 40TH 7.45
18.66 35TH 7.35
18.39 30TH 7.24
18.10 25TH 7.13
17.80 20TH 7.01
17.45 15TH 6.87
17.02 10TH 6.70
16.42 5TH 6.46
16.05 3RD 6.32
15.79 2ND 6.22
15.40 1ST 6.06

RANGES*	F	CUMF	FPCT	CUMPT
29.75- 30.25	2	1513	0.13	100.00
29.25- 29.75	4	1511	0.26	99.87
28.75- 29.25	1	1507	0.07	99.60
28.25- 28.75	4	1506	0.26	99.54
27.75- 28.25	6	1502	0.40	99.27
27.25- 27.75	1	1496	0.07	98.88
26.75- 27.25	3	1495	0.20	98.81
26.25- 26.75	11	1492	0.73	98.61
25.75- 26.25	10	1481	0.66	97.88
25.25- 25.75	9	1471	0.59	97.22
24.75- 25.25	19	1462	1.26	96.63
24.25- 24.75	8	1443	0.53	95.37
23.75- 24.25	26	1435	1.72	94.84
23.25- 23.75	25	1409	1.65	93.13
22.75- 23.25	42	1384	2.78	91.47
22.25- 22.75	52	1342	3.44	88.70
21.75- 22.25	50	1290	3.30	85.26
21.25- 21.75	74	1240	4.89	81.96
20.75- 21.25	90	1166	5.95	77.07
20.25- 20.75	117	1076	7.73	71.12
19.75- 20.25	127	959	8.39	63.38
19.25- 19.75	142	832	9.39	54.99
18.75- 19.25	129	690	8.53	45.60
18.25- 18.75	140	561	9.25	37.08
17.75- 18.25	140	421	9.25	27.83
17.25- 17.75	87	281	5.75	18.57
16.75- 17.25	79	194	5.22	12.82
16.25- 16.75	60	115	3.97	7.60
15.75- 16.25	28	55	1.85	3.64
15.25- 15.75	16	27	1.06	1.78
14.75- 15.25	6	11	0.40	0.73
14.25- 14.75	3	5	0.20	0.33
13.75- 14.25	2	2	0.13	0.13

*IN CENTIMETERS

136A BUTTOCK DEPTH - SUBJECTS IN OFG SERIES

CENTIMETERS		INCHES
21.29	MEAN VALUE	8.38
0.05	SE(MEAN)	0.02
1.81	SD DEVIATION	0.71
0.03	SE(SD DEV)	0.01

SYMMETRY---VETA I = 0.56
KURTOSIS---VETA II = 3.97
COEF. OF VARIATION = 8.5%

NUMBER OF SUBJECTS = 1513

THE PERCENTILES

CENTIMETERS		INCHES
26.42	99TH	10.40
25.58	98TH	10.07
25.09	97TH	9.88
24.47	95TH	9.63
23.61	90TH	9.30
23.08	85TH	9.09
22.69	80TH	8.93
22.36	75TH	8.80
22.08	70TH	8.69
21.82	65TH	8.59
21.59	60TH	8.50
21.36	55TH	8.41
21.15	50TH	8.33
20.93	45TH	8.24
20.72	40TH	8.16
20.50	35TH	8.07
20.27	30TH	7.98
20.03	25TH	7.88
19.76	20TH	7.78
19.45	15TH	7.66
19.07	10TH	7.51
18.52	5TH	7.29
18.18	3RD	7.16
17.94	2ND	7.06
17.58	1ST	6.92

RANGES*	F	CUMF	FPCT	CUMPCT
30.25- 30.75	1	1513	0.07	100.00
29.75- 30.25	0	1512	0.00	99.93
29.25- 29.75	0	1512	0.00	99.93
28.75- 29.25	0	1512	0.00	99.93
28.25- 28.75	1	1512	0.07	99.93
27.75- 28.25	2	1511	0.13	99.87
27.25- 27.75	3	1509	0.20	99.74
26.75- 27.25	4	1506	0.26	99.54
26.25- 26.75	5	1502	0.33	99.27
25.75- 26.25	12	1497	0.79	98.94
25.25- 25.75	13	1485	0.86	98.15
24.75- 25.25	18	1472	1.19	97.29
24.25- 24.75	34	1454	2.25	96.10
23.75- 24.25	35	1420	2.31	93.85
23.25- 23.75	69	1385	4.56	91.54
22.75- 23.25	74	1316	4.89	86.98
22.25- 22.75	131	1242	8.66	82.09
21.75- 22.25	160	1111	10.58	73.43
21.25- 21.75	150	951	9.91	62.86
20.75- 21.25	182	801	12.03	52.94
20.25- 20.75	178	619	11.76	40.91
19.75- 20.25	157	441	10.38	29.15
19.25- 19.75	109	284	7.20	18.77
18.75- 19.25	67	175	4.43	11.57
18.25- 18.75	55	108	3.64	7.14
17.75- 18.25	35	53	2.31	3.50
17.25- 17.75	12	18	0.79	1.19
16.75- 17.25	1	6	0.07	0.40
16.25- 16.75	5	5	0.33	0.33

*IN CENTIMETERS

136B BUTTOCK DEPTH, OVER FOUNDATION GARMENT

RANGES*	F	CUMF	FPCT	CUMPC
30.25- 30.75	2	1513	0.13	100.00
29.75- 30.25	0	1511	0.00	99.87
29.25- 29.75	3	1511	0.20	99.87
28.75- 29.25	2	1508	0.13	99.67
28.25- 28.75	3	1506	0.20	99.54
27.75- 28.25	7	1503	0.46	99.34
27.25- 27.75	6	1496	0.40	98.88
26.75- 27.25	10	1490	0.66	98.48
26.25- 26.75	6	1480	0.40	97.82
25.75- 26.25	9	1474	0.59	97.42
25.25- 25.75	19	1465	1.26	96.83
24.75- 25.25	34	1446	2.25	95.57
24.25- 24.75	39	1412	2.58	93.32
23.75- 24.25	40	1373	2.64	90.75
23.25- 23.75	72	1333	4.76	88.10
22.75- 23.25	104	1261	6.87	83.34
22.25- 22.75	122	1157	8.06	76.47
21.75- 22.25	156	1035	10.31	68.41
21.25- 21.75	191	879	12.62	58.10
20.75- 21.25	156	688	10.31	45.47
20.25- 20.75	163	532	10.77	35.16
19.75- 20.25	131	369	8.66	24.39
19.25- 19.75	84	238	5.55	15.73
18.75- 19.25	72	154	4.76	10.18
18.25- 18.75	51	82	3.37	5.42
17.75- 18.25	20	31	1.32	2.05
17.25- 17.75	8	11	0.53	0.73
16.75- 17.25	2	3	0.13	0.20
16.25- 16.75	1	1	0.07	0.07

*IN CENTIMETERS

CENTIMETERS	INCHES
21.59 MEAN VALUE	8.50
0.05 SE(MEAN)	0.02
1.97 SD DEVIATION	0.78
0.04 SE(SD DEV)	0.01

SYMMETRY---VETA I =	0.82
KURTOSIS---VETA II =	4.46
COEF. OF VARIATION =	9.1%

NUMBER OF SUBJECTS =	1513
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THE PERCENTILES

CENTIMETERS	INCHES
27.96	99TH 11.01
26.69	98TH 10.51
25.99	97TH 10.23
25.15	95TH 9.90
24.07	90TH 9.48
23.45	85TH 9.23
23.02	80TH 9.06
22.66	75TH 8.92
22.36	70TH 8.80
22.10	65TH 8.70
21.86	60TH 8.60
21.63	55TH 8.51
21.41	50TH 8.43
21.19	45TH 8.34
20.97	40TH 8.26
20.75	35TH 8.17
20.52	30TH 8.08
20.27	25TH 7.98
19.99	20TH 7.87
19.67	15TH 7.74
19.28	10TH 7.59
18.72	5TH 7.37
18.39	3RD 7.24
18.17	2ND 7.15
17.88	1ST 7.04

137A BUTTOCK CIRCUMFERENCE, SITTING - SUBJECTS IN OFG SERIES

RANGES*	F	CUMF	FPCT	CUMPCT	CENTIMETERS		INCHES
128.25-129.25	1	1513	0.07	100.00	100.31	MEAN VALUE	39.49
127.25-128.25	0	1512	0.00	99.93	0.16	SE(MEAN)	0.06
126.25-127.25	0	1512	0.00	99.93	6.13	SD DEVIATION	2.41
125.25-126.25	1	1512	0.07	99.93	0.11	SE(SD DEV)	0.04
124.25-125.25	0	1511	0.00	99.87	****		
123.25-124.25	2	1511	0.13	99.87			
122.25-123.25	2	1509	0.13	99.74			
121.25-122.25	2	1507	0.13	99.60			
120.25-121.25	1	1505	0.07	99.47			
119.25-120.25	5	1504	0.33	99.41			
118.25-119.25	4	1499	0.26	99.07			
117.25-118.25	7	1495	0.46	98.81			
116.25-117.25	3	1488	0.20	98.35			
115.25-116.25	4	1485	0.26	98.15			
114.25-115.25	5	1481	0.33	97.88			
113.25-114.25	4	1476	0.26	97.55			
112.25-113.25	11	1472	0.73	97.29			
111.25-112.25	23	1461	1.52	96.56			
110.25-111.25	13	1438	0.86	95.04			
109.25-110.25	19	1425	1.26	94.18			
108.25-109.25	34	1406	2.25	92.93			
107.25-108.25	41	1372	2.71	90.68			
106.25-107.25	48	1331	3.17	87.97			
105.25-106.25	54	1283	3.57	84.80			
104.25-105.25	71	1229	4.69	81.23			
103.25-104.25	82	1158	5.42	76.54			
102.25-103.25	75	1076	4.96	71.12			
101.25-102.25	88	1001	5.82	66.16			
100.25-101.25	92	913	6.08	60.34			
99.25-100.25	108	821	7.14	54.26			
98.25- 99.25	127	713	8.39	47.12			
97.25- 98.25	95	586	6.28	38.73			
96.25- 97.25	104	491	6.87	32.45			
95.25- 96.25	93	387	6.15	25.58			
94.25- 95.25	73	294	4.82	19.43			
93.25- 94.25	50	221	3.30	14.61			
92.25- 93.25	52	171	3.44	11.30			
91.25- 92.25	39	119	2.58	7.87			
90.25- 91.25	27	80	1.78	5.29			
89.25- 90.25	23	53	1.52	3.50			
88.25- 89.25	15	30	0.99	1.98			
87.25- 88.25	6	15	0.40	0.99			
86.25- 87.25	5	9	0.33	0.59			
85.25- 86.25	4	4	0.26	0.26			
					SYMMETRY---VETA I = 0.65		
					KURTOSIS---VETA II = 4.03		
					COEF. OF VARIATION = 6.1%		

					NUMBER OF SUBJECTS = 1513		

					THE PERCENTILES		
					CENTIMETERS		INCHES
					118.88	99TH	46.80
					115.41	98TH	45.44
					113.47	97TH	44.67
					111.12	95TH	43.75
					108.01	90TH	42.53
					106.19	85TH	41.81
					104.87	80TH	41.29
					103.79	75TH	40.86
					102.86	70TH	40.50
					102.03	65TH	40.17
					101.26	60TH	39.87
					100.54	55TH	39.58
					99.83	50TH	39.30
					99.13	45TH	39.03
					98.42	40TH	38.75
					97.70	35TH	38.46
					96.94	30TH	38.17
					96.13	25TH	37.84
					95.22	20TH	37.49
					94.18	15TH	37.08
					92.89	10TH	36.57
					91.07	5TH	35.86
					89.99	3RD	35.43
					89.25	2ND	35.14
					88.26	1ST	34.75

*IN CENTIMETERS

137B BUTTOCK CIRCUMFERENCE, SITTING, OVER FOUNDATION GARMENT

RANGES*	F	CUMF	FPCT	CUMPCT
128.25-129.25	1	1513	0.07	100.00
127.25-128.25	1	1512	0.07	99.93
126.25-127.25	1	1511	0.07	99.87
125.25-126.25	1	1510	0.07	99.80
124.25-125.25	0	1509	0.00	99.74
123.25-124.25	1	1509	0.07	99.74
122.25-123.25	2	1508	0.13	99.67
121.25-122.25	1	1506	0.07	99.54
120.25-121.25	2	1505	0.13	99.47
119.25-120.25	1	1503	0.07	99.34
118.25-119.25	3	1502	0.20	99.27
117.25-118.25	6	1499	0.40	99.07
116.25-117.25	1	1493	0.07	98.68
115.25-116.25	4	1492	0.26	98.61
114.25-115.25	7	1488	0.46	98.35
113.25-114.25	5	1481	0.33	97.88
112.25-113.25	7	1476	0.46	97.55
111.25-112.25	14	1469	0.93	97.09
110.25-111.25	18	1455	1.19	96.17
109.25-110.25	21	1437	1.39	94.98
108.25-109.25	22	1416	1.45	93.59
107.25-108.25	41	1394	2.71	92.13
106.25-107.25	29	1353	1.92	89.42
105.25-106.25	53	1324	3.50	87.51
104.25-105.25	62	1271	4.10	84.01
103.25-104.25	59	1209	3.90	79.91
102.25-103.25	77	1150	5.09	76.01
101.25-102.25	83	1073	5.49	70.92
100.25-101.25	95	990	6.28	65.43
99.25-100.25	129	895	8.53	59.15
98.25- 99.25	121	766	8.00	50.63
97.25- 98.25	95	645	6.28	42.63
96.25- 97.25	91	550	6.01	36.35
95.25- 96.25	98	459	6.48	30.34
94.25- 95.25	82	361	5.42	23.86
93.25- 94.25	78	279	5.16	18.44
92.25- 93.25	54	201	3.57	13.28
91.25- 92.25	58	147	3.83	9.72
90.25- 91.25	28	89	1.85	5.88
89.25- 90.25	21	61	1.39	4.03
88.25- 89.25	16	40	1.06	2.64
87.25- 88.25	8	24	0.53	1.59
86.25- 87.25	11	16	0.73	1.06
85.25- 86.25	3	5	0.20	0.33
84.25- 85.25	1	2	0.07	0.13
83.25- 84.25	1	1	0.07	0.07

*IN CENTIMETERS

CENTIMETERS INCHES

99.62 MEAN VALUE 39.22
0.16 SE(MEAN) 0.06
6.10 SD DEVIATION 2.40
0.11 SE(SD DEV) 0.04

SYMMETRY---VETA I = 0.73
KURTOSIS---VETA II = 4.41
COEF. OF VARIATION = 6.1%

NUMBER OF SUBJECTS = 1513

THE PERCENTILES

CENTIMETERS INCHES

117.83	99TH	46.39
114.51	98TH	45.08
112.63	97TH	44.34
110.33	95TH	43.44
107.25	90TH	42.22
105.42	85TH	41.50
104.10	80TH	40.98
103.01	75TH	40.56
102.09	70TH	40.19
101.27	65TH	39.87
100.51	60TH	39.57
99.80	55TH	39.29
99.10	50TH	39.02
98.42	45TH	38.75
97.74	40TH	38.48
97.04	35TH	38.21
96.31	30TH	37.92
95.53	25TH	37.61
94.66	20TH	37.27
93.65	15TH	36.87
92.39	10TH	36.37
90.55	5TH	35.65
89.39	3RD	35.19
88.57	2ND	34.87
87.33	1ST	34.38

138A THIGH-TO-THIGH BREADTH, SITTING - SUBJECTS IN OFG SERIES

RANGES*	F	CUMF	FPCT	CUMPCT
49.75- 50.25	1	1513	0.07	100.00
49.25- 49.75	0	1512	0.00	99.93
48.75- 49.25	1	1512	0.07	99.93
48.25- 48.75	1	1511	0.07	99.87
47.75- 48.25	2	1510	0.13	99.80
47.25- 47.75	2	1508	0.13	99.67
46.75- 47.25	2	1506	0.13	99.54
46.25- 46.75	4	1504	0.26	99.41
45.75- 46.25	6	1500	0.40	99.14
45.25- 45.75	10	1494	0.66	98.74
44.75- 45.25	9	1484	0.59	98.08
44.25- 44.75	11	1475	0.73	97.49
43.75- 44.25	15	1464	0.99	96.76
43.25- 43.75	20	1449	1.32	95.77
42.75- 43.25	23	1429	1.52	94.45
42.25- 42.75	30	1406	1.98	92.93
41.75- 42.25	37	1376	2.45	90.95
41.25- 41.75	50	1339	3.30	88.50
40.75- 41.25	62	1289	4.10	85.19
40.25- 40.75	82	1227	5.42	81.10
39.75- 40.25	86	1145	5.68	75.68
39.25- 39.75	89	1059	5.88	69.99
38.75- 39.25	82	970	5.42	64.11
38.25- 38.75	102	888	6.74	58.69
37.75- 38.25	105	786	6.94	51.95
37.25- 37.75	114	681	7.53	45.01
36.75- 37.25	97	567	6.41	37.48
36.25- 36.75	100	470	6.61	31.06
35.75- 36.25	75	370	4.96	24.45
35.25- 35.75	79	295	5.22	19.50
34.75- 35.25	69	216	4.56	14.28
34.25- 34.75	58	147	3.83	9.72
33.75- 34.25	30	89	1.98	5.88
33.25- 33.75	23	59	1.52	3.90
32.75- 33.25	12	36	0.79	2.38
32.25- 32.75	10	24	0.66	1.59
31.75- 32.25	5	14	0.33	0.93
31.25- 31.75	7	9	0.46	0.59
30.75- 31.25	2	2	0.13	0.13

*IN CENTIMETERS

CENTIMETERS INCHES

38.34 MEAN VALUE 15.09
0.07 SE(MEAN) 0.03
2.89 SD DEVIATION 1.14
0.05 SE(SD DEV) 0.02

SYMMETRY---VETA I = 0.44
KURTOSIS---VETA II = 3.32
COEF. OF VARIATION = 7.5%

NUMBER OF SUBJECTS = 1513

THE PERCENTILES

CENTIMETERS INCHES

46.14 99TH 18.17
45.05 98TH 17.74
44.38 97TH 17.47
43.49 95TH 17.12
42.17 90TH 16.60
41.32 85TH 16.27
40.68 80TH 16.02
40.14 75TH 15.80
39.66 70TH 15.62
39.24 65TH 15.45
38.84 60TH 15.29
38.47 55TH 15.15
38.11 50TH 15.00
37.76 45TH 14.86
37.41 40TH 14.73
37.05 35TH 14.59
36.69 30TH 14.44
36.30 25TH 14.29
35.87 20TH 14.12
35.39 15TH 13.93
34.80 10TH 13.70
33.95 5TH 13.36
33.40 3RD 13.15
33.00 2ND 12.99
32.36 1ST 12.74

138B THIGH-TO-THIGH BREADTH, SITTING, OVER FOUNDATION GARMENT

RANGES*	F	CUMF	FPCT	CUMFCT
48.25- 48.75	1	1513	0.07	100.00
47.75- 48.25	0	1512	0.00	99.93
47.25- 47.75	0	1512	0.00	99.93
46.75- 47.25	3	1512	0.20	99.93
46.25- 46.75	0	1509	0.00	99.74
45.75- 46.25	3	1509	0.20	99.74
45.25- 45.75	3	1506	0.20	99.54
44.75- 45.25	2	1503	0.13	99.34
44.25- 44.75	5	1501	0.33	99.21
43.75- 44.25	6	1496	0.40	98.88
43.25- 43.75	9	1490	0.59	98.48
42.75- 43.25	19	1481	1.26	97.88
42.25- 42.75	10	1462	0.66	96.63
41.75- 42.25	14	1452	0.93	95.97
41.25- 41.75	29	1438	1.92	95.04
40.75- 41.25	32	1409	2.12	93.13
40.25- 40.75	49	1377	3.24	91.01
39.75- 40.25	61	1328	4.03	87.77
39.25- 39.75	71	1267	4.69	83.74
38.75- 39.25	101	1196	6.68	79.05
38.25- 38.75	89	1095	5.88	72.37
37.75- 38.25	102	1006	6.74	66.49
37.25- 37.75	109	904	7.20	59.75
36.75- 37.25	124	795	8.20	52.54
36.25- 36.75	112	671	7.40	44.35
35.75- 36.25	119	559	7.87	36.95
35.25- 35.75	99	440	6.54	29.08
34.75- 35.25	87	341	5.75	22.54
34.25- 34.75	70	254	4.63	16.79
33.75- 34.25	64	184	4.23	12.16
33.25- 33.75	45	120	2.97	7.93
32.75- 33.25	25	75	1.65	4.96
32.25- 32.75	17	50	1.12	3.30
31.75- 32.25	18	33	1.19	2.18
31.25- 31.75	10	15	0.66	0.99
30.75- 31.25	2	5	0.13	0.33
30.25- 30.75	2	3	0.13	0.20
29.75- 30.25	0	1	0.00	0.07
29.25- 29.75	0	1	0.00	0.07
28.75- 29.25	1	1	0.07	0.07

CENTIMETERS	INCHES
37.25	MEAN VALUE 14.66
0.07	SE(MEAN) 0.03
2.65	SD DEVIATION 1.04
0.05	SE(SD DEV) 0.02

SYMMETRY---	VETA I = 0.43
KURTOSIS---	VETA II = 3.54
COEF. OF VARIATION =	7.1%

NUMBER OF SUBJECTS = 1513

THE PERCENTILES

CENTIMETERS	INCHES
44.48	99TH 17.51
43.36	98TH 17.07
42.70	97TH 16.81
41.86	95TH 16.48
40.67	90TH 16.01
39.93	85TH 15.72
39.36	80TH 15.50
38.89	75TH 15.31
38.48	70TH 15.15
38.11	65TH 15.00
37.77	60TH 14.87
37.44	55TH 14.74
37.11	50TH 14.61
36.79	45TH 14.49
36.47	40TH 14.36
36.15	35TH 14.23
35.81	30TH 14.10
35.44	25TH 13.95
35.03	20TH 13.79
34.57	15TH 13.61
33.99	10TH 13.38
33.16	5TH 13.05
32.64	3RD 12.85
32.27	2ND 12.70
31.71	1ST 12.48

*IN CENTIMETERS

139 HEIGHT AS REPORTED BY SUBJECTS

INCHES		CENTIMETERS
64.81	MEAN VALUE	164.60
0.06	SE(MEAN)	0.14
2.43	SD DEVIATION	6.18
0.04	SE(SD DEV)	0.10

SYMMETRY---VETA I = 0.16
KURTOSIS---VETA II = 2.67
COEF. OF VARIATION = 3.8%

NUMBER OF SUBJECTS = 1903

THE PERCENTILES

INCHES		CENTIMETERS
70.43	99TH	178.90
69.89	98TH	177.52
69.52	97TH	176.58
69.00	95TH	175.25
68.14	90TH	173.08
67.53	85TH	171.53
67.04	80TH	170.28
66.61	75TH	169.18
66.22	70TH	168.19
65.85	65TH	167.26
65.50	60TH	166.38
65.17	55TH	165.52
64.83	50TH	164.68
64.50	45TH	163.83
64.17	40TH	162.98
63.82	35TH	162.11
63.47	30TH	161.21
63.09	25TH	160.24
62.67	20TH	159.18
62.20	15TH	157.99
61.64	10TH	156.56
60.87	5TH	154.62
60.43	3RD	153.50
60.14	2ND	152.76
59.74	1ST	151.75

140 WEIGHT AS REPORTED BY SUBJECTS

POUNDS		KILOGRAMS
125.40	MEAN VALUE	56.88
0.36	SE(MEAN)	0.16
15.83	SD DEVIATION	7.18
0.26	SE(SD DEV)	0.12

SYMMETRY---VETA I = 0.66
KURTOSIS---VETA II = 4.00
COEF. OF VARIATION = 12.6%

NUMBER OF SUBJECTS = 1903

THE PERCENTILES

POUNDS		KILOGRAMS
170.50	99TH	77.34
162.86	98TH	73.87
158.45	97TH	71.87
152.93	95TH	69.37
145.34	90TH	65.92
140.70	85TH	63.82
137.26	80TH	62.26
134.41	75TH	60.97
131.96	70TH	59.85
129.75	65TH	58.85
127.70	60TH	57.92
125.76	55TH	57.04
123.87	50TH	56.19
122.01	45TH	55.34
120.16	40TH	54.50
118.27	35TH	53.65
116.31	30TH	52.76
114.22	25TH	51.81
111.91	20TH	50.76
109.31	15TH	49.58
106.11	10TH	48.13
101.64	5TH	46.10
98.98	3RD	44.90
97.17	2ND	44.07
94.63	1ST	42.93

PART B

CORRELATION STATISTICS

SECTION IX

INTRODUCTION

The human body is a complex of many interrelated segments, and the solution of the multiplicity of problems which involve the physical dimensions of the body almost always require a knowledge of the degree and nature of the interrelations between and among these segments. Not only is such knowledge usually necessary for the detailed solution of a particular problem, but often it is necessary as a basis for exploring possible approaches to a solution. For these and a variety of related reasons, we have gathered—here and in Part C—information dealing with the interrelationships of the anthropometric measures which have been reported on—one by one—in Part A of this report.

Two broad approaches to the analysis and reporting of these interrelationships have long coexisted: that of the summary statistics, the formulas, and the regression equations, and that of the bivariate frequency tables. Both approaches have their merits and their strong adherents, and we have provided to a degree both types of material. The material in this section of the report falls into the former category; Part C is devoted to the presentation of bivariate (plus one trivariate) tables.

The contents of Part B include:

1. Correlation coefficients for all variables measured on the entire sample are given in section X, along with selected correlation coefficients for the over-foundation-garment subseries. Frequency distributions of the correlation coefficients by variable, by groups of related variables, and for the entire set of variables are also presented in this section.
2. Regression equations relating each pair of variables with at least a moderately large intercorrelation are described and listed in section XI.
3. Section XII provides two sets of multiple regression equations and the corresponding multiple correlation coefficients.
4. Section XIII lists four sets of partial correlation coefficients: those with weight, those with stature, those with weight and stature, and those with weight, stature, and age partialled out.
5. Section XIV includes several tables which list the regression estimates for all other variables for women of selected values of weight, of stature, and of weight-stature combinations.

The materials included in this section were selected as being those with greatest probable utility. We do present them, however, with little confidence that they will be the most useful in every design or interpretation problem that may arise.

There is a tacit assumption throughout this part of the report that, for all practical purposes, the relationships among the variables are linear and that, in general, the distribution of the totality of our variables is multi-normal. We present no evidence on this point in this report. Previous studies and ones currently in progress suggest that in most situations and for most of the variables reported on here that this assumption is a reasonable one. It is not a completely reasonable assumption as far as the four skinfold measurements are concerned. It is, perhaps, a borderline assumption as far as weight goes.

The importance of the material in this part of the report is such that most of the concepts involved in this material are well known to the active users of anthropometric data. We have, therefore, omitted detailed and extensive descriptions of the concepts which underlie the material in each of these tables. A brief description, of course, precedes each table; a sometimes heuristic, sometimes sternly mathematical résumé of these concepts appears in appendix III. Four numerical tables are included there: one for determining the coefficient of

alienation from the correlation coefficient, one for establishing confidence limits for the correlation coefficients, one for converting certain regression equation parameters from centimeters to inches, and one for estimating two-predictor multiple correlation coefficients.

Regression equations and related materials are given primarily in terms of metric values. Where it can be done conveniently, English values are also given or methods of converting from metric to English units are described.

In several of the tables, the variables are referred to by somewhat abbreviated names or by number alone. The variable numbers are always the numbers used in the Visual Index. For convenience in locating material for specific variables in these tables, a listing of the abbreviated names in alphabetic order with their Visual Index numbers appears in table XXII.

In abbreviating the variable names to fit the format of the several tables in which the short names are used, a number of compromises were made. Left and right are usually indicated by the letters L and R alone; there seems to be little opportunity for confusion between L meaning left and L meaning length. OFG means 'over foundation garment'; the dash '-' frequently substitutes for the word 'to'; 'BLW WAIST' and 'BLW W' both stand for 'below waist level'; the word 'curvature' for which there seemed to be no happy abbreviation belongs in the names of variables 82 and 83 (interscye curvature and interscye curvature, maximum) and variable 112 (bitragion-coronal curvature) as does length in the names of variable 122 (subnasale-sellion length). SKINFD is used for skinfold, EXT for extension, LAT'L for lateral. The other abbreviations—considered in context—should be reasonably clear; if any are not, the Visual Index number makes it possible to find the complete name in the Visual Index.

Since many formulas involving the correlation coefficients also involve the means and standard deviations, these two statistics as computed for the entire sample and for the over-foundation-garment sample are also listed in table XXII.

TABLE XXII

ALPHABETIC INDEX OF VARIABLES
WITH THEIR VISUAL INDEX NUMBERS, MEANS, AND STANDARD DEVIATIONS

MEAN	FULL SD	SERIES MEAN*	SD*	.....VARIABLE..... NUMBER	NAME	MEAN	'OFG' SD	SERIES MEAN*	SD*
85.64	7.28	33.72	2.87	42-ABDOMINAL EXT CIRC		86.17	7.35	33.93	2.89
				129-ABDOM EXT CIRC,OFG		87.48	7.26	34.44	2.86
20.89	2.12	8.22	0.83	76-ABDOMINAL EXT DPTH		21.05	2.14	8.29	0.84
				135-ABDOM EXT DPTH,OFG		19.80	2.46	7.79	0.97
93.15	4.42	36.67	1.74	14-ABDOMINAL EXT H'GT		93.05	4.32	36.63	1.70
				127-ABDOM EXT HGT, OFG		92.84	4.31	36.55	1.70
131.86	5.48	51.91	2.16	10-ACROMIAL HEIGHT		131.78	5.34	51.88	2.10
31.01	1.63	12.21	0.64	31-ACROMION-RADIALE L		30.98	1.60	12.20	0.63
		22.93	6.45	1-AGE		22.73	6.47		
21.09	1.29	8.30	0.51	49-ANKLE CIRCUMFERNCE		21.17	1.27	8.33	0.50
11.19	1.35	4.40	0.53	20-ANKLE HEIGHT		11.20	1.36	4.41	0.54
33.58	1.96	13.22	0.77	86-ANTERIOR WAIST LTH		33.62	1.96	13.24	0.77
27.44	2.34	10.80	0.92	54-AXILLARY ARM CIRC		27.59	2.34	10.86	0.92
42.15	3.05	16.59	1.20	84-BACK CURVATURE		42.28	3.07	16.65	1.21
35.84	1.64	14.11	0.65	63-BIACROMIAL BREADTH		35.87	1.63	14.12	0.64
15.83	0.95	6.23	0.37	114-BIAURICULAR BR'DTH		15.84	0.95	6.24	0.37
26.54	2.38	10.45	0.94	58-BICEPS C,FLEXED, L		26.68	2.41	10.50	0.95
26.79	2.32	10.55	0.91	56-BICEPS C,FLEXED, R		26.92	2.33	10.60	0.92
25.66	2.41	10.10	0.95	57-BICEPS C,RELAXED,L		25.82	2.43	10.16	0.96
25.61	2.29	10.08	0.90	55-BICEPS C,RELAXED,R		25.74	2.31	10.14	0.91
41.87	2.31	16.49	0.91	64-BIDELTOID BREADTH		41.98	2.30	16.53	0.91
10.19	0.56	4.01	0.22	117-BIGONIAL BREADTH		10.19	0.56	4.01	0.22
9.67	0.49	3.81	0.19	113-BIOCULAR BREADTH		9.66	0.50	3.80	0.20
12.89	0.50	5.07	0.20	115-BITRAGION BREADTH		12.90	0.49	5.08	0.19
33.92	1.40	13.36	0.55	112-BITRAGION-CORONAL		33.94	1.40	13.36	0.55
12.90	0.58	5.08	0.23	116-BIZYGOMATIC BR'DTH		12.91	0.57	5.08	0.23
89.73	5.70	35.33	2.24	39-BUST CIRCUMFERENCE		89.94	5.76	35.41	2.27
18.53	1.55	7.30	0.61	66-BUSTPT-BUSTPT BRTH		18.57	1.54	7.31	0.61
118.32	5.21	46.58	2.05	12-BUSTPOINT HEIGHT		118.25	5.09	46.55	2.00
100.00	6.09	39.37	2.40	52-BUTTOCK CIRC, SIT		100.31	6.13	39.49	2.41
				137-BUTTOCK C, SIT,OFG		99.62	6.10	39.22	2.40
21.15	1.79	8.33	0.70	77-BUTTOCK DEPTH		21.29	1.81	8.38	0.71
				136-BUTTOCK DEPTH, OFG		21.59	1.97	8.50	0.78
82.21	4.16	32.37	1.64	16-BUTTOCK HEIGHT		82.19	4.03	32.36	1.59
57.43	2.63	22.61	1.04	30-BUTTOCK-KNEE LN'GTH		57.45	2.58	22.62	1.02

*VALUES IN ENGLISH UNITS

TABLE XXII

ALPHABETIC INDEX OF VARIABLES
WITH THEIR VISUAL INDEX NUMBERS, MEANS, AND STANDARD DEVIATIONS

MEAN	FULL SD	SERIES MEAN*	SD*	.....VARIABLE..... NUMBER	NAME	MEAN	'OFG' SD	SERIES MEAN*	SD*
47.71	2.76	18.78	1.09	29-BUTTOCK-POPLIT'L L		47.68	2.67	18.77	1.05
34.23	2.28	13.48	0.90	48-CALF CIRCUM, LEFT		34.38	2.25	13.54	0.89
34.14	2.25	13.44	0.88	47-CALF CIRCUM, RIGHT		34.29	2.22	13.50	0.87
139.20	5.52	54.80	2.17	9-CERVICALE HEIGHT		139.10	5.36	54.76	2.11
27.99	1.91	11.02	0.75	65-CHEST BREADTH		28.07	1.92	11.05	0.76
84.25	4.96	33.17	1.95	38-CHEST CIRC AT SCYE		84.44	5.01	33.25	1.97
74.33	4.87	29.26	1.92	40-CHEST C BELOW BUST		74.53	4.91	29.34	1.93
23.64	1.93	9.31	0.76	74-CHEST DEPTH		23.72	1.95	9.34	0.77
74.50	4.03	29.33	1.59	19-CROTCH HEIGHT		74.44	3.94	29.31	1.55
2.98	0.33	1.17	0.13	124-EAR BREADTH		2.98	0.33	1.17	0.13
5.24	0.44	2.06	0.17	123-EAR LENGTH		5.24	0.45	2.06	0.18
11.76	0.92	4.63	0.36	100-ECTOCANTHUS-TOP HD		11.77	0.92	4.63	0.36
16.37	0.97	6.44	0.38	106-ECTOCANTHUS-WALL		16.36	0.97	6.44	0.38
26.98	1.78	10.62	0.70	59-ELBOW CIRC, FLEXED		27.03	1.79	10.64	0.70
22.71	2.46	8.94	0.97	27-ELBOW REST HEIGHT		22.73	2.45	8.95	0.96
73.70	3.06	29.02	1.20	24-EYE HEIGHT, SITTING		73.72	2.99	29.02	1.18
8.14	0.44	3.20	0.17	73-FEMORAL BREADTH, L		8.16	0.44	3.21	0.17
8.12	0.45	3.20	0.18	72-FEMORAL BREADTH, R		8.13	0.45	3.20	0.18
8.87	0.50	3.49	0.20	95-FOOT BREADTH		8.88	0.49	3.50	0.19
24.07	1.13	9.48	0.44	94-FOOT LENGTH		24.06	1.11	9.47	0.44
24.98	1.52	9.83	0.60	61-FOREARM C, FLEXED		25.06	1.51	9.86	0.59
23.48	1.38	9.24	0.54	60-FOREARM C, RELAXED		23.55	1.37	9.27	0.54
72.70	3.96	28.62	1.56	17-GLUTEAL FURROW HGT		72.58	3.84	28.57	1.51
2.99	0.57	1.18	0.22	125-GRIP STRENGTH		2.99	0.57	1.18	0.22
7.55	0.39	2.97	0.15	92-HAND BREADTH		7.55	0.39	2.97	0.15
18.32	0.91	7.21	0.36	93-HAND CIRCUMFERENCE		18.34	0.90	7.22	0.36
18.38	0.96	7.24	0.38	91-HAND LENGTH		18.37	0.94	7.23	0.37
14.52	0.59	5.71	0.23	97-HEAD BREADTH		14.53	0.59	5.72	0.23
54.87	1.62	21.60	0.64	98-HEAD CIRCUMFERENCE		54.87	1.60	21.60	0.63
18.41	0.68	7.25	0.27	96-HEAD LENGTH		18.40	0.67	7.24	0.26
34.97	2.22	13.77	0.87	68-HIP BREADTH		35.07	2.25	13.81	0.88
				133-HIP BREADTH, OFG		33.67	2.14	13.26	0.84
95.27	6.02	37.51	2.37	44-HIP C-9" BLW WAIST		95.59	6.04	37.63	2.38
				131-HIP C-9" BLW W, OFG		95.30	5.83	37.52	2.30
93.64	5.59	36.86	2.20	43-HIP C-7" BLW WAIST		93.94	5.63	36.99	2.22

*VALUES IN ENGLISH UNITS

TABLE XXII

ALPHABETIC INDEX OF VARIABLES
WITH THEIR VISUAL INDEX NUMBERS, MEANS, AND STANDARD DEVIATIONS

MEAN	FULL SD	SERIES MEAN*	SD*	.....VARIABLE..... NUMBER NAME	MEAN	'OFG' SD	SERIES MEAN*	SD*
				130-HIP C-7" BLW W, OFG	93.71	5.65	36.90	2.22
6.10	0.30	2.40	0.12	71-HUMERAL BREADTH, L	6.10	0.30	2.40	0.12
6.13	0.31	2.41	0.12	70-HUMERAL BREADTH, R	6.14	0.30	2.42	0.12
35.06	2.44	13.80	0.96	82-INTERSCYE	35.12	2.44	13.83	0.96
49.39	3.29	19.44	1.29	83-INTERSCYE, MAXIMUM	49.49	3.27	19.48	1.29
36.30	2.27	14.29	0.89	46-KNEE CIRCUMFERENCE	36.45	2.24	14.35	0.88
6.77	0.59	2.67	0.23	21-LAT'L MALLEOLUS HT	6.77	0.59	2.67	0.23
4.38	0.42	1.72	0.17	119-LIP LENGTH	4.37	0.41	1.72	0.16
19.30	1.06	7.60	0.42	109-LIP PROTRUS'N-WALL	19.29	1.05	7.59	0.41
1.59	0.52	0.63	0.20	6-MEDIAL CALF SKINF	1.63	0.51	0.64	0.20
10.63	0.61	4.18	0.24	121-MENTON-SELLION LTH	10.63	0.61	4.18	0.24
5.54	0.51	2.18	0.20	120-MENTON-SUBNASALE L	5.54	0.50	2.18	0.20
21.91	1.14	8.62	0.45	104-MENTON TO TOP HEAD	21.92	1.13	8.63	0.4
18.23	1.14	7.18	0.45	110-MENTON TO WALL	18.22	1.12	7.17	0.44
58.00	2.66	22.83	1.05	25-MIDSHOULDER HT, SIT	57.99	2.62	22.83	1.03
3.19	0.33	1.26	0.13	118-NASAL BREADTH	3.19	0.32	1.26	0.13
33.75	1.68	13.29	0.66	36-NECK CIRCUMFERENCE	33.81	1.66	13.31	0.65
25.49	1.89	10.04	0.74	80-NECK TO BUSTPOINT	25.53	1.87	10.05	0.73
199.23	8.56	78.44	3.37	35-OVERHEAD REACH	199.14	8.40	78.40	3.31
41.05	1.86	16.16	0.73	28-POPLITEAL HEIGHT	41.00	1.84	16.14	0.72
14.76	1.17	5.81	0.46	101-PRONASALE-TOP HEAD	14.76	1.17	5.81	0.46
21.19	0.96	8.34	0.38	107-PRONASALE TO WALL	21.17	0.95	8.33	0.38
23.39	1.37	9.21	0.54	32-RADIALE-STYLION L	23.37	1.32	9.20	0.52
34.79	1.49	13.70	0.59	111-SAGITTAL CURVATURE	34.80	1.49	13.70	0.59
37.10	2.29	14.61	0.90	53-SCYE CIRCUMFERENCE	37.21	2.28	14.65	0.90
100.41	5.14	39.53	2.02	37-SHOULDER CIRCUMFER	100.62	5.13	39.61	2.02
14.66	1.02	5.77	0.40	79-SHOULDER LENGTH	14.67	1.00	5.77	0.40
85.60	3.17	33.70	1.25	23-SITTING HEIGHT	85.60	3.10	33.70	1.22
84.28	3.25	33.18	1.28	22-SITTING HT, RELAXED	84.26	3.17	33.18	1.25
44.13	2.42	17.37	0.95	87-SLEEVE INSEAM	44.07	2.39	17.35	0.94
53.32	2.41	20.99	0.95	89-SPINE-TO-ELBOW LTH	53.31	2.39	20.99	0.94
20.37	1.36	8.02	0.53	88-SPINE-TO-SCYE LGTH	20.36	1.38	8.02	0.54
79.58	3.32	31.33	1.31	90-SPINE-TO-WRIST LTH	79.56	3.26	31.32	1.28
162.10	6.00	63.82	2.36	7-STATURE	161.99	5.82	63.78	2.29
162.75	6.02	64.07	2.37	8-STATURE, MAXIMUM	162.64	5.83	64.03	2.29

*VALUES IN ENGLISH UNITS

TABLE XXII

ALPHABETIC INDEX OF VARIABLES
WITH THEIR VISUAL INDEX NUMBERS, MEANS, AND STANDARD DEVIATIONS

FULL SERIES				.....VARIABLE.....		'OFG' SERIES			
MEAN	SD	MEAN*	SD*	NUMBER	NAME	MEAN	SD	MEAN*	SD*
164.61	6.18	64.81	2.43	139	STATURE REPORTED	164.50	6.00	64.76	2.36
17.83	1.12	7.02	0.44	103	STOMION-TOP HEAD	17.84	1.11	7.02	0.44
65.22	3.92	25.68	1.54	81	STRAP LENGTH	65.30	3.90	25.71	1.53
4.55	0.41	1.79	0.16	122	SUBNASALE-SELLION	4.54	0.41	1.79	0.16
15.91	1.10	6.26	0.43	102	SUBNASALE-TOP HEAD	15.92	1.09	6.27	0.43
19.66	0.98	7.74	0.39	108	SUBNASALE TO WALL	19.65	0.98	7.74	0.39
1.29	0.48	0.51	0.19	4	SUBSCAPULAR SKINFD	1.31	0.49	0.52	0.19
1.97	0.70	0.78	0.28	5	SUPRAILIAO SKINFLD	2.01	0.69	0.79	0.27
132.00	5.30	51.97	2.09	11	SUPRASTERNAL H'GHT	131.93	5.15	51.94	2.03
12.44	1.25	4.90	0.49	78	THIGH CLEARANCE	12.48	1.23	4.91	0.48
38.19	2.86	15.04	1.13	69	THIGH-THIGH BR,SIT	38.34	2.89	15.09	1.14
74.13	3.88	29.19	1.53	138	THI-THI BR,SIT,OFG	37.25	2.65	14.66	1.04
83.83	4.88	33.01	1.92	33	THUMB-TIP REACH	74.13	3.86	29.19	1.52
41.98	2.38	16.53	0.94	34	THUMB-TIP,EXTENDED	83.83	4.80	33.00	1.89
12.73	0.76	5.01	0.30	18	TIBIALE HEIGHT	41.94	2.34	16.51	0.92
10.17	0.90	4.00	0.35	99	TRAGION-TOP HEAD	12.74	0.76	5.02	0.30
1.90	0.54	0.75	0.21	105	TRAGION TO WALL	10.18	0.91	4.01	0.36
82.67	4.27	32.55	1.68	3	TRICEPS SKINFOLD	1.94	0.54	0.76	0.21
55.48	4.22	21.84	1.66	15	TROCHANTERIC H'GHT	82.59	4.17	32.52	1.64
154.43	6.87	60.80	2.70	45	UPPER THIGH CIRCUM	55.70	4.22	21.93	1.66
150.07	6.56	59.08	2.58	50	VERTICAL TRUNK CIR	154.67	6.85	60.89	2.70
40.51	2.22	15.95	0.87	51	VERT TRUNK CIR,SIT	150.27	6.52	59.16	2.57
24.13	1.94	9.50	0.76	85	WAIST BACK	40.51	2.18	15.95	0.86
67.20	5.48	26.46	2.16	67	WAIST BREADTH	24.22	1.93	9.54	0.76
17.01	1.67	6.70	0.66	132	WAIST BREADTH, OFG	21.39	1.92	8.42	0.75
100.28	4.50	39.48	1.77	41	WAIST CIRCUMFERENCE	67.51	5.50	26.58	2.17
100.80	4.40	39.68	1.73	128	WAIST CIRCUM, OFG	66.23	5.28	26.08	2.08
23.37	1.73	9.20	0.68	75	WAIST DEPTH	17.12	1.69	6.74	0.67
57.73	7.52	127.28	16.59	134	WAIST DEPTH, OFG	15.65	1.85	6.16	0.73
56.88	7.18	125.40	15.83	13	WAIST HEIGHT	100.18	4.38	39.44	1.72
14.96	0.71	5.89	0.28	126	WAIST HEIGHT, OFG	100.80	4.40	39.68	1.73
				26	WAIST H'GHT,SITTING	23.37	1.73	9.20	0.68
				2	WEIGHT	58.13	7.49	128.16	16.52
				140	WEIGHT AS REPORTED	57.17	7.17	126.05	15.82
				62	WRIST CIRCUMFERENCE	14.99	0.71	5.90	0.28

*VALUES IN ENGLISH UNITS

SECTION X

CORRELATION COEFFICIENTS

The most common measure of the degree of interrelationship is the *Pearsonian product-moment correlation coefficient*, almost always referred to simply as the correlation coefficient and equally often designated by the letter r .

In this section we have included two groups of correlation coefficients. The first consists of the coefficients for the almost exactly eight thousand pairings of age, the 124 anthropometric variables measured on the full sample, and height and weight as reported by the subjects. The second group consists of a selection of the correlation coefficients computed from the data for the over-foundation-garment subseries.

A brief summary of the distribution of the 7,626 correlations based on age and the full-sample body-size measurements is given in table XXIII. Similar summaries are also given in this table for the correlation coefficients of the individual variables and for several groupings of the variables. The matrix of the coefficients for the full sample appears in table XXIV; the set of coefficients based on the over-foundation-garment series makes up table XXV.

Pearson's correlation coefficient derives from the related concept of the regression line or regression equation. Since there is, for example, a relationship between stature and weight among the women in our sample, we can set up an equation of the form:

$$Y^1 = a + bX$$

for providing an estimate of a woman's weight (Y^1) in terms of her height (X); the constants a and b being selected so that the estimated weights are—in some sense—as accurate as possible.

When the two variables are closely related, the estimated values given by the regression equation will be quite accurate. When, on the other hand, the degree of relationship is small, the resulting estimates will provide little more accuracy than we would obtain by setting each person's estimate equal to the average value. The accuracy of these regression estimates provides a basis for defining the correlation coefficient. When the estimates are completely accurate, the correlation coefficient is defined as equal to 1.00 (or -1.00). When the regression equation provides no help, the correlation coefficient equals 0. Between these limits, the greater the relative accuracy, the higher the correlation coefficient in numeric value and vice-versa.

If large values of one variable tend to accompany large values of a second one, the correlation coefficient is a positive number. When the reverse is true and large values of one variable are associated with small values of the second, the correlation coefficient carries a negative sign. The sign of the correlation coefficient indicates only the direction of the relationship and has no bearing on its degree. In general (see figure 4), the correlation coefficients for our data tend to be either positive or rather minor in size.

Logically, there are two correlation coefficients for each pair of variables: that defined in terms of the regression equation for estimating Y from X and a second defined in terms of estimating X from Y . Fortunately, these two coefficients are equal to each other and need not be distinguished. This will not be true of the correlation coefficients associated with multiple or non-linear regression lines.

In addition to its primary function of providing an evaluation of the degree or intensity of the relationship between two variables, the correlation coefficient plays an important role in a variety of multi-variable problems. Along with the means and standard deviations, the correlation coefficients provide all the information necessary to compute regression equations of the type discussed here, to compute similar equations (multiple regression equations)

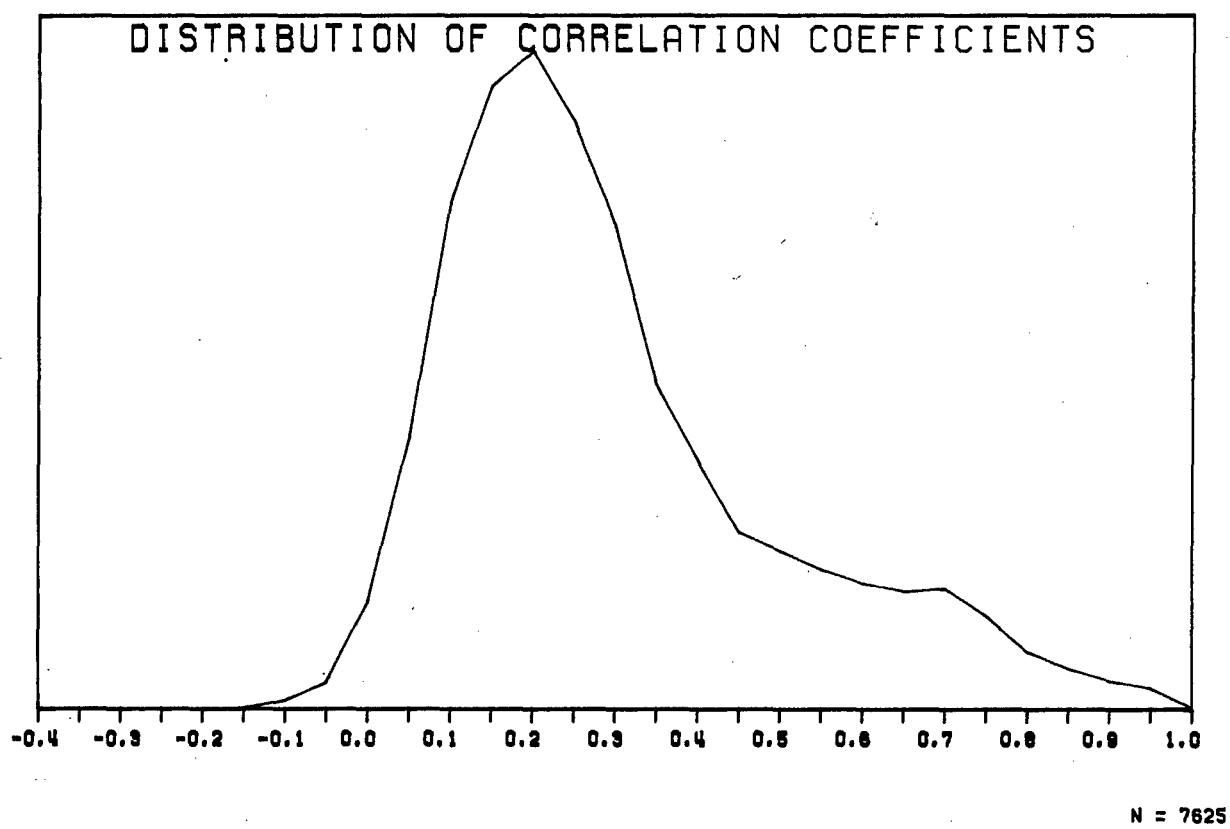


Figure 4. Distribution of Correlation Coefficients

based on two or many more 'predictor' variables, to compute the (multiple) correlation coefficient associated with such equations, and to compute such statistics as the standard deviation of sums, differences, and other linear combinations of the variables.

Paragraph 1 of appendix III attempts to provide some intuitive basis for judging the proper interpretation of a correlation coefficient of a particular value. In paragraph 2, the regression equation is derived and, on the basis of this result, the correlation coefficient is defined in paragraph 3. The question of standard errors and confidence limits for the correlation coefficients are discussed in paragraph 6, and a table for computing confidence limits (table XLVI) is presented there.

Frequency distributions of the correlation coefficients for individual variables and groups of variables provide a basis for some insights into the patterns of interrelationships among the anthropometric variables which are included in this study.

Figure 4 consists of a graph of the frequency distribution of 7,626 correlation coefficients computed for the first 124 variables in the visual index listing, that is, for age and the body size variables for which data were available from the entire sample of 1905 women. The first line of data in table XXIII lists the minimum value, the 1st, 5th, 10th, 25th, 50th, 75th, 90th, 95th, and 99th percentiles and the maximum value of this group of statistics.

These correlation coefficients range in value from -0.208 for the correlation between elbow rest height and sleeve inseam to 0.998 for the correlation of stature with stature, maximum. As is to be expected with correlations based on a sample of almost two thousand subjects, all but a few of the coefficients, considered singly, would be judged statistically significant. Using -0.050 to $+0.050$ as the non-significant range, 35 or about half of one percent are negative and significantly different from zero, 417 or a shade over 5% are not significantly different from zero, and the remaining 7,174 are positive and significant. A considerably smaller number of these coefficients are large enough to indicate a relationship of practical significance for almost any design problem. Half of the coefficients are about 0.24 or less. Since the standard error of estimate associated with a correlation coefficient less than $\sqrt{0.10} = 0.316$ will exceed 95% of the standard deviation, the value 0.316 may be considered as the minimum useful value. Almost 5,000 of these correlations are less in absolute value than 0.316 . Many of these low correlations, however, are between pairs of variables which will usually not be considered together in design problems; more than half of the correlations less than 0.316 , for example, are based on combinations consisting of a head or face measurement and a measurement made on some other part of the body.

For a slightly more detailed analysis of these data, we have grouped the 124 variables into nine categories as follows:

1. Age - variable 1.
2. Weight - variable 2.
3. Skinfold measurements - variables 3 - 6.
4. Heights, reaches, long bone measurements (excluding lateral malleolus height, including waist back, anterior waist length, sleeve inseam, spine to elbow, and spine to wrist) - variables 7 - 20, 22 - 35, 85 - 87, 89 - 90.
5. Torso breadths and depths - variables 63 - 69, 74 - 77.
6. Torso circumferences and horizontal surface measures (including neck circumference) - variables 36 - 44, 50 - 52, 79 - 84, 88.
7. Limb breadths and circumferences - variables 45 - 49, 53 - 62, 70 - 73, 78.
8. Hand and foot measurements (including lateral malleolus height) - variables 21, 91 - 95.
9. Head and face measurements - variables 96 - 124.

Because a number of these groups of correlation coefficients contain relatively few data, the values presented in parts II and III of table XXIII have been limited according to the size of the groups on the following basis: Only those percentiles corresponding to points at least five cases from the ends of the distribution have been included. Thus, 1st and 99th percentiles are listed only for groups of 500 coefficients or more, 5th and 95th percentiles for those of 100 or more, 10th and 90th percentiles for those of 50 or more, and 25th and 75th percentiles for those of 20 or more. Since, by this rule, even the 50th percentile will be omitted for groups of fewer than 10 values, distributions involving only nine or fewer coefficients have been omitted. Minimum and maximum values have also been omitted for groups of fewer than 100 cases. These particular rules for excluding percentiles based on small samples are quite arbitrary, but appear to be consistent with reasonable statistical practice.

Part II of table XXIII provides statistics on the distribution of the correlation coefficients involving the variables in each of these groups.

Part III of this table provides similar percentiles for the cross-group distributions. The entry labelled '1 & 4' at the left is based on all correlations involving the combination of a variable in group 1 and a variable in group 4. The line labelled '4 & 4' is, similarly, based on the combinations involving variables both of which fall in the height-reach-long bone group.

Part IV of table XXIII summarizes for each variable its 123 correlation coefficients. For each variable are listed the two smallest and the two largest of these correlations plus seven percentile values. At the right end of each line are the Visual Index numbers of the variables having the lowest and the highest correlations with the variable in question.

The percentiles in table XXIII were determined simply by arranging the relevant values in order and counting, rather than by the procedure used in preparing the tables in Part A. Thus, for example, the 10th percentile for the individual variables was determined as the thirteenth (i.e., the smallest integer larger than $123 \div 10 = 12.3$) value counting from the bottom of the distribution.

Correlation coefficients for age, the 123 body-size measurements measured on the full sample, grip strength, and reported height and weight* are listed in table XXIV. All coefficients are listed twice, once below and once above the diagonal, for easy location. Decimal points have been omitted when the coefficient is negative, the minus sign immediately preceding the tenths digit.

*Two subjects did not report their heights; two others, their weights. For the correlational analyses, the subjects' measured statures and weights, adjusted on the basis of differences listed for women of similar height, weight, and age in table XVII, are substituted for the missing values.

TABLE XXIII
DISTRIBUTION OF CORRELATION COEFFICIENTS BY VARIABLES,
GROUPS OF VARIABLES, AND ENTIRE GROUP

I. Total Series Summary

<i>Percentiles</i>											
<i>MIN</i>	<i>1</i>	<i>5</i>	<i>10</i>	<i>25</i>	<i>50</i>	<i>75</i>	<i>90</i>	<i>95</i>	<i>99</i>	<i>MAX</i>	<i>N</i>
-21	-.02	.05	.08	.15	.24	.39	.62	.73	.88	1.00	7626

Group

II. Major Groups Summaries

	Percentiles											
	MIN	1	5	10	25	50	75	90	95	99	MAX	N
1. Age	-.08		-.02	.00	.05	.12	.19	.28	.29		.33	123
2. Weight	.08		.17	.22	.31	.50	.74	.80	.82		.90	123
3. Skinfolts	-.10	-.07	-.02	.00	.04	.12	.36	.56	.61	.68	.72	486
4. Heights	-.21	-.05	-.04	.09	.16	.25	.36	.58	.72	.90	1.00	3531
5. Breadths	-.08	.04	.08	.12	.19	.29	.49	.66	.72	.84	.89	1298
6. Circumferences	-.10	.03	.08	.11	.19	.30	.47	.65	.73	.84	.94	2166
7. Limb C's & B's	-.06	.03	.08	.12	.19	.31	.45	.64	.72	.81	.98	2270
8. Hand & Foot	-.07	.00	.06	.10	.18	.26	.35	.46	.57	.68	.74	723
9. Head & Face	-.14	-.02	.03	.06	.11	.16	.23	.28	.31	.62	.95	3161

Groups

III. Cross Group Summaries

	Percentiles											
	MIN	1	5	10	25	50	75	90	95	99	MAX	N
1 & 4					.00	.05	.08					33
1 & 5						.23						11
1 & 6						.23						19
1 & 7						.15						20
1 & 9					.07	.09	.14					29
2 & 4					.41	.46	.53					33
2 & 5						.77						11
2 & 6						.79						19
2 & 7						.78						20
2 & 9					.19	.26	.30					29
3 & 4	-.08		-.03	-.01	.02	.05	.10	.18	.22		.29	132
3 & 5					.36	.47	.57					44
3 & 6				.16	.26	.37	.54	.61				76
3 & 7				.20	.28	.41	.54	.63				80
3 & 8					.04	.05	.08					24
3 & 9	-.10		-.03	-.02	.01	.05	.10	.16	.21		.27	116
4 & 4	-.21	-.09	.16	.25	.39	.63	.75	.87	.91	.97	1.00	528
4 & 5	-.08		.08	.13	.18	.24	.31	.38	.42		.59	363
4 & 6	-.10	.06	.11	.15	.20	.27	.35	.44	.53	.70	.82	627
4 & 7	-.06	.01	.08	.11	.18	.29	.35	.42	.45	.49	.59	660
4 & 8	0.01		.16	.21	.29	.34	.46	.60	.66		.70	198
4 & 9	-.13	-.05	.03	.07	.12	.17	.22	.27	.29	.33	.36	957
5 & 5				.31	.50	.59	.67	.71				55
5 & 6	0.09		.26	.33	.44	.56	.69	.76	.83		.89	209
5 & 7	0.25		.29	.31	.37	.50	.64	.70	.72		.84	220
5 & 8				.11	.19	.23	.30	.35				66
5 & 9	-.02		.05	.07	.11	.17	.22	.26	.29		.35	319
6 & 6	0.07		.21	.29	.44	.54	.66	.79	.83		.94	171
6 & 7	0.11		.23	.29	.37	.48	.62	.73	.76		.89	380
6 & 8	0.08		.12	.13	.19	.26	.32	.36	.40		.49	114
6 & 9	-.03	.00	.04	.07	.10	.16	.22	.27	.30	.33	.37	531
7 & 7	0.33		.37	.39	.43	.54	.69	.80	.92		.98	190
7 & 8	0.07		.11	.17	.23	.32	.39	.49	.55		.71	120
7 & 9	0.00	.03	.06	.08	.12	.17	.23	.26	.29	.32	.36	580
8 & 8						.47						15
8 & 9	-.04		.05	.08	.13	.19	.23	.28	.31		.40	174
9 & 9	-.14		.01	.04	.10	.16	.30	.53	.78		.95	406

TABLE XXIII

DISTRIBUTION OF CORRELATION COEFFICIENTS
BY VARIABLES, GROUPS OF RELATED VARIABLES, AND ENTIRE GROUP
IV - SUMMARIES BY VARIABLE

		MINIMUM		PERCENTILES							MAXIMUM		***
		1ST	2RD	5	10	25	50	75	90	95	2RD	1ST	
1	AGE	-.08	-.07	-.02	.00	.05	.12	.19	.28	.29	.31	.33	(87, 81)
2	WEIGHT	.08	.10	.17	.22	.31	.50	.74	.80	.82	.89	.90	(119, 52)
3	TRICEPS SKINFOLD	-.06	-.05	.01	.02	.06	.15	.49	.60	.61	.71	.72	(87, 55)
4	SUBSCAPULAR SKINFOLD	-.08	-.04	-.02	.00	.04	.14	.43	.61	.63	.66	.68	(87, 54)
5	SUPRAILIAC SKINFOLD	-.03	-.03	-.01	.03	.08	.16	.44	.57	.59	.64	.66	(87, 4)
6	MEDIAL CALF SKINFOLD	-.10	-.07	-.03	-.01	.01	.07	.25	.38	.42	.45	.51	(118, 3)
7	STATURE	.01	.02	.10	.14	.23	.32	.60	.80	.90	.98	.00	(4, 8)
8	STATURE, MAXIMUM	.01	.02	.10	.14	.23	.32	.60	.80	.90	.98	.00	(4, 7)
9	CERVICAL HEIGHT	.03	.03	.10	.15	.21	.32	.61	.81	.91	.98	.98	(6, 8)
10	ACROMIAL HEIGHT	.04	.04	.10	.16	.23	.32	.59	.80	.90	.96	.97	(6, 11)
11	SUPRASTERNAL HEIGHT	.03	.04	.11	.16	.22	.32	.61	.81	.92	.97	.97	(6, 8)
12	BUST POINT HEIGHT	-.02	-.02	.05	.10	.17	.27	.54	.79	.89	.93	.94	(1, 11)
13	WAIST HEIGHT	.01	.03	.09	.14	.21	.29	.50	.83	.91	.93	.95	(6, 14)
14	ABDOMINAL EXT HEIGHT	-.04	-.02	.06	.09	.18	.25	.43	.83	.90	.92	.95	(4, 13)
15	TROCHANTERIC HEIGHT	-.05	.01	.08	.11	.19	.26	.46	.80	.87	.90	.90	(27, 19)
16	BUTTOCK HEIGHT	-.04	-.03	.10	.12	.19	.26	.44	.81	.87	.89	.91	(27, 19)
17	GLUTEAL FURROW HEIGHT	-.09	-.05	.03	.07	.15	.21	.37	.77	.84	.88	.89	(27, 16)
18	TIBIAL HEIGHT	-.04	-.01	.07	.10	.17	.24	.41	.74	.81	.84	.84	(27, 19)
19	CROTCH HEIGHT	-.09	-.06	.07	.10	.18	.24	.42	.81	.88	.91	.92	(27, 14)
20	ANKLE HEIGHT	-.07	-.03	-.01	.03	.07	.12	.19	.31	.31	.38	.44	(6, 18)
21	LAT'L MALLEOLUS HT	-.04	-.01	.04	.05	.09	.14	.26	.36	.41	.42	.43	(118, 7)
22	SITTING HT, RELAXED	-.08	.00	.07	.12	.18	.29	.40	.60	.73	.90	.97	(118, 23)
23	SITTING HEIGHT	-.07	-.01	.08	.13	.20	.31	.43	.62	.75	.93	.97	(118, 22)
24	EYE HEIGHT, SITTING	-.09	.01	.07	.11	.16	.29	.40	.57	.70	.90	.93	(118, 23)
25	MIDSHOULDER HT, SIT	-.07	-.02	.10	.13	.21	.30	.41	.63	.72	.85	.88	(118, 23)
26	WAIST HEIGHT, SITTING	-.07	-.02	.07	.09	.14	.23	.28	.39	.43	.56	.57	(118, 24)
27	ELBOW REST HEIGHT	-.21	-.13	-.10	-.07	.00	.07	.12	.20	.43	.56	.65	(87, 25)
28	POPLITEAL HEIGHT	-.07	-.05	.05	.09	.14	.21	.36	.73	.75	.78	.79	(1, 19)
29	BUTTOCK-POPLIT'L L	-.13	.09	.12	.17	.23	.31	.45	.65	.69	.72	.87	(27, 30)
30	BUTTOCK-KNEE LGTH	-.07	.06	.14	.19	.28	.40	.56	.74	.79	.81	.87	(27, 29)
31	ACROMION-RADIAL L	-.13	.00	.10	.11	.18	.27	.41	.72	.74	.76	.77	(27, 90)
32	RADIAL-STYLION L	-.12	-.05	.06	.10	.17	.23	.36	.67	.69	.73	.79	(27, 87)
33	THUMB-TIP REACH	-.08	.01	.11	.14	.20	.27	.39	.64	.65	.68	.69	(27, 90)
34	THUMB-TIP, EXTENDED	-.01	.02	.07	.12	.19	.27	.39	.59	.61	.64	.69	(27, 35)
35	OVERHEAD REACH	.00	.01	.07	.14	.21	.31	.53	.77	.83	.86	.86	(4, 11)
36	NECK CIRCUMFERENCE	.04	.05	.13	.16	.23	.32	.42	.50	.51	.54	.58	(113, 2)
37	SHOULDER CIRCUMFER	.06	.08	.13	.16	.25	.35	.61	.75	.78	.88	.89	(27, 64)
38	CHEST CIRC AT SCYE	.06	.07	.11	.13	.22	.31	.59	.75	.79	.88	.89	(119, 39)
39	BUST CIRCUMFERENCE	.06	.06	.08	.13	.20	.29	.62	.73	.78	.88	.89	(101, 38)
40	CHEST C BELOW BUST	.05	.06	.10	.14	.21	.31	.56	.71	.75	.82	.83	(118, 39)
41	WAIST CIRCUMFERENCE	.03	.05	.10	.13	.21	.31	.60	.74	.80	.85	.89	(101, 67)
42	ABDOMINAL EXT CIRC	.00	.01	.05	.09	.15	.30	.59	.72	.75	.82	.83	(118, 43)
43	HIP C-7" BLW WAIST	.03	.05	.09	.15	.24	.35	.64	.76	.83	.93	.94	(119, 44)
44	HIP C-9" BLW WAIST	.01	.02	.11	.15	.23	.37	.63	.74	.81	.94	.94	(119, 52)
45	UPPER THIGH CIRCUM	.03	.03	.07	.12	.19	.29	.60	.72	.80	.87	.89	(119, 44)

***-VISUAL INDEX NUMBERS OF VARIABLES WITH LOWEST AND HIGHEST CORRELATIONS

TABLE XXIII

DISTRIBUTION OF CORRELATION COEFFICIENTS
BY VARIABLES, GROUPS OF RELATED VARIABLES, AND ENTIRE GROUP
IV - SUMMARIES BY VARIABLE

		MINIMUM		PERCENTILES							MAXIMUM		***
		1ST	2RD	5	10	25	50	75	90	95	2RD	1ST	
46	KNEE CIRCUMFERENCE	.04	.07	.14	.16	.24	.37	.56	.69	.75	.79	.82	(119, 2)
47	CALF CIRCUM, RIGHT	.01	.03	.11	.14	.20	.30	.49	.64	.69	.79	.96	(20, 48)
48	CALF CIRCUM, LEFT	.00	.03	.10	.14	.21	.30	.48	.64	.68	.78	.96	(20, 47)
49	ANKLE CIRCUMFERNCE	-.02	.04	.11	.16	.21	.30	.40	.47	.56	.74	.75	(1, 47)
50	VERTICAL TRUNK CIR	-.01	.00	.17	.19	.27	.44	.58	.63	.70	.79	.93	(119, 51)
51	VERT TRUNK CIR,SIT	-.03	-.02	.15	.19	.27	.46	.54	.66	.70	.82	.93	(118, 50)
52	BUTTOCK CIRC, SIT	.04	.05	.11	.16	.24	.38	.67	.76	.81	.93	.94	(119, 44)
53	SCYE CIRCUMFERENCE	.04	.08	.12	.15	.25	.37	.57	.70	.73	.78	.81	(119, 54)
54	AXILLARY ARM CIRC	-.02	.02	.05	.08	.14	.27	.61	.75	.80	.87	.89	(87, 55)
55	BICEPS C,RELAXED,R	-.06	.01	.06	.07	.13	.27	.63	.75	.79	.95	.97	(87, 56)
56	BICEPS C,FLEXED, R	-.03	.04	.08	.09	.15	.29	.61	.74	.81	.95	.97	(87, 55)
57	BICEPS C,RELAXED,L	-.03	.00	.06	.07	.13	.25	.63	.75	.77	.95	.98	(87, 58)
58	BICEPS C,FLEXED, L	-.02	.02	.07	.08	.14	.27	.61	.75	.78	.95	.98	(87, 57)
59	ELBOW CIRC, FLEXED	.06	.07	.13	.17	.24	.35	.43	.48	.54	.64	.75	(27, 61)
60	FOREARM C, RELAXED	.07	.09	.13	.17	.24	.35	.59	.71	.76	.83	.93	(119, 61)
61	FOREARM C, FLEXED	.07	.08	.13	.17	.24	.34	.57	.69	.75	.81	.93	(119, 60)
62	WRIST CIRCUMFERNCE	.10	.12	.14	.17	.27	.40	.49	.53	.60	.70	.71	(1, 93)
63	BIACROMIAL BREADTH	-.08	.03	.14	.16	.24	.34	.39	.45	.47	.60	.62	(27, 79)
64	BIDELTOID BREADTH	.05	.06	.12	.14	.23	.32	.59	.73	.75	.83	.89	(119, 37)
65	CHEST BREADTH	.06	.07	.10	.14	.21	.29	.52	.62	.68	.77	.77	(119, 37)
66	BUSTPT-BUSTPT BRTH	.01	.05	.08	.09	.16	.23	.42	.51	.56	.67	.72	(27, 39)
67	WAIST BREADTH	.05	.07	.09	.14	.23	.34	.57	.67	.71	.77	.89	(101, 41)
68	HIP BREADTH	-.02	.00	.09	.11	.20	.35	.53	.63	.70	.88	.89	(118, 44)
69	THIGH-THIGH BR,SIT	-.02	-.01	.07	.10	.17	.28	.57	.68	.73	.88	.89	(118, 44)
70	HUMERAL BREADTH, R	.07	.10	.12	.14	.23	.36	.43	.49	.50	.62	.92	(124, 71)
71	HUMERAL BREADTH, L	.08	.09	.11	.14	.23	.37	.43	.49	.50	.62	.92	(124, 70)
72	FEMORAL BREADTH, R	.03	.06	.07	.11	.20	.29	.35	.41	.45	.52	.96	(105, 73)
73	FEMORAL BREADTH, L	.03	.05	.08	.11	.21	.30	.37	.43	.46	.55	.96	(105, 72)
74	CHEST DEPTH	.02	.04	.07	.11	.18	.27	.57	.67	.70	.76	.88	(101, 39)
75	WAIST DEPTH	.02	.04	.08	.10	.15	.27	.54	.68	.70	.85	.86	(101, 76)
76	ABDOMINAL EXT DPTH	.02	.04	.07	.10	.16	.27	.58	.71	.77	.82	.86	(101, 75)
77	BUTTOCK DEPTH	.02	.06	.10	.11	.18	.27	.60	.71	.73	.81	.82	(119, 43)
78	THIGH CLEARANCE	-.01	.06	.11	.13	.24	.39	.48	.56	.60	.67	.71	(1, 2)
79	SHOULDER LENGTH	-.10	-.03	.04	.08	.12	.20	.28	.32	.37	.46	.62	(27, 63)
80	NECK TO BUSTPOINT	.03	.04	.06	.10	.16	.27	.42	.50	.53	.64	.90	(12, 81)
81	STRAP LENGTH	.06	.08	.09	.12	.19	.32	.50	.57	.61	.70	.90	(118, 80)
82	INTERSCYE	.05	.05	.09	.11	.14	.22	.40	.48	.56	.62	.66	(27, 37)
83	INTERSCYE, MAXIMUM	.00	.03	.07	.10	.19	.32	.42	.48	.51	.56	.57	(118, 37)
84	BACK CURVATURE	.00	.00	.05	.08	.16	.26	.44	.55	.59	.65	.65	(118, 40)
85	WAIST BACK	-.03	-.01	.04	.06	.11	.19	.33	.47	.59	.64	.66	(4, 23)
86	ANTERIOR WAIST LTH	.00	.00	.07	.10	.15	.27	.34	.44	.48	.53	.56	(119, 50)
87	SLEEVE INSEAM	-.21	-.08	-.03	.04	.10	.19	.35	.72	.74	.79	.79	(27, 90)
88	SPINE-TO-SCYE LGTH	.03	.04	.07	.08	.16	.24	.32	.38	.46	.55	.56	(118, 82)
89	SPINE-TO-ELBOW LTH	-.09	.04	.14	.18	.25	.37	.49	.63	.67	.71	.93	(27, 90)
90	SPINE-TO-WRIST LTH	-.11	.01	.13	.18	.26	.36	.49	.74	.76	.79	.93	(27, 89)

***-VISUAL INDEX NUMBERS OF VARIABLES WITH LOWEST AND HIGHEST CORRELATIONS

TABLE XXIII

DISTRIBUTION OF CORRELATION COEFFICIENTS
BY VARIABLES, GROUPS OF RELATED VARIABLES, AND ENTIRE GROUP
IV - SUMMARIES BY VARIABLE

		MINIMUM				PERCENTILES						MAXIMUM		
		1ST	2RD	5	10	25	50	75	90	95	2RD	1ST	***	
91	HAND LENGTH	-.07	-.02	.08	.11	.19	.24	.41	.57	.60	.61	.71	(6, 94)	
92	HAND BREADTH	.00	.00	.07	.13	.22	.27	.33	.38	.45	.57	.74	(6, 93)	
93	HAND CIRCUMFERENCE	.05	.08	.12	.15	.21	.31	.37	.45	.49	.71	.74	(6, 92)	
94	FOOT LENGTH	-.02	.04	.15	.19	.24	.32	.49	.65	.68	.70	.71	(6, 91)	
95	FOOT BREADTH	.01	.01	.12	.14	.19	.25	.32	.36	.38	.48	.52	(1, 94)	
96	HEAD LENGTH	.02	.03	.06	.12	.17	.22	.27	.32	.40	.58	.69	(4, 98)	
97	HEAD BREADTH	.00	.00	.04	.08	.11	.17	.22	.26	.28	.50	.59	(124, 115)	
98	HEAD CIRCUMFERENCE	.02	.06	.11	.18	.23	.28	.32	.40	.46	.59	.69	(27, 96)	
99	TRAGION-TOP HEAD	-.01	.03	.06	.07	.12	.15	.20	.29	.38	.66	.78	(27, 100)	
100	ECTOANTHUS-TOP HD	-.02	.00	.01	.04	.08	.12	.19	.23	.36	.87	.88	(27, 102)	
101	PRONASALE-TOP HEAD	-.14	-.03	.01	.03	.07	.12	.18	.23	.34	.90	.94	(110, 102)	
102	SUBNASALE-TOP HEAD	-.10	-.02	.02	.04	.09	.14	.21	.27	.37	.94	.95	(110, 103)	
103	STOMION-TOP HEAD	-.08	-.02	.02	.05	.09	.15	.23	.29	.38	.90	.95	(110, 102)	
104	MENTON TO TOP HEAD	-.01	.01	.05	.09	.13	.21	.29	.37	.42	.88	.90	(110, 103)	
105	TRAGION TO WALL	-.05	-.05	.03	.05	.10	.15	.19	.22	.33	.74	.86	(117, 106)	
106	ECTOANTHUS-WALL	-.05	.01	.07	.09	.16	.21	.24	.30	.49	.83	.86	(27, 105)	
107	PRONASALE TO WALL	-.02	.04	.09	.12	.19	.24	.28	.31	.50	.88	.93	(27, 108)	
108	SUBNASALE TO WALL	-.05	.03	.05	.10	.15	.21	.25	.28	.46	.93	.95	(27, 109)	
109	LIP PROTRUSION-WALL	-.07	-.02	.04	.06	.11	.18	.22	.24	.42	.88	.95	(27, 108)	
110	MENTON TO WALL	-.14	-.10	.00	.06	.11	.17	.24	.28	.31	.84	.86	(101, 109)	
111	SAGITTAL CURVATURE	-.03	-.01	.04	.10	.13	.18	.23	.30	.36	.45	.59	(5, 98)	
112	BITRAGION-CORONAL	.02	.03	.09	.12	.16	.20	.23	.28	.38	.52	.54	(27, 98)	
113	BIOCLAR BREADTH	-.03	-.02	.06	.09	.12	.16	.20	.23	.27	.41	.43	(20, 116)	
114	BIAURICULAR BRDTH	-.11	-.06	.03	.05	.10	.14	.17	.19	.22	.30	.38	(119, 115)	
115	BITRAGION BREADTH	.04	.04	.11	.14	.17	.23	.30	.35	.37	.59	.72	(27, 116)	
116	BIZYGOMATIC BRDTH	-.03	-.02	.05	.08	.14	.21	.27	.31	.32	.57	.72	(105, 115)	
117	BIGONIAL BREADTH	-.05	-.02	.03	.04	.12	.20	.27	.30	.33	.53	.57	(105, 116)	
118	NASAL BREADTH	-.13	-.10	-.07	-.02	.05	.08	.14	.21	.23	.31	.53	(27, 119)	
119	LIP LENGTH	-.11	-.07	-.02	-.01	.03	.07	.10	.16	.21	.25	.53	(114, 118)	
120	MENTON-SUBNASALE L	.00	.01	.04	.05	.11	.14	.17	.20	.21	.39	.63	(6, 121)	
121	MENTON-SELLION LTH	-.02	.03	.05	.12	.15	.18	.22	.26	.27	.59	.63	(6, 120)	
122	SUBNASALE-SELLION	-.03	-.01	.03	.07	.10	.12	.15	.19	.19	.26	.59	(5, 121)	
123	EAR LENGTH	.02	.03	.08	.09	.12	.17	.21	.25	.26	.28	.29	(27, 124)	
124	EAR BREADTH	-.05	-.02	.01	.05	.07	.10	.12	.14	.15	.16	.29	(27, 123)	

***-VISUAL INDEX NUMBERS OF VARIABLES WITH LOWEST AND HIGHEST CORRELATIONS

TABLE XXIV

THE CORRELATION MATRIX FOR AGE AND FULL SAMPLE VARIABLES

	1	2	3	4	5	6	7	8	9	10
1 AGE		.223	.148	.161	.011	-.020	.048	.046	.044	.068
2 WEIGHT	.223		.597	.565	.582	.362	.533	.533	.541	.552
3 TRICEPS SKINFOLD	.148	.597		.610	.604	.511	.075	.075	.091	.097
4 SUBSCAPULAR SKINFOLD	.161	.565	.610		.659	.332	.006	.006	.027	.041
5 SUPRAILIAC SKINFOLD	.011	.582	.604	.659		.372	.098	.098	.124	.122
6 MEDIAL CALF SKINFOLD	-.020	.362	.511	.332	.372		.017	.016	.027	.035
7 STATURE	.048	.533	.075	.006	.098	.017		.998	.977	.959
8 STATURE, MAXIMUM	.046	.533	.075	.006	.098	.016	.998		.979	.960
9 CERVICAL HEIGHT	.044	.541	.091	.027	.124	.027	.977	.979		.965
10 ACROMIAL HEIGHT	.068	.552	.097	.041	.122	.035	.959	.960	.965	
11 SUPRASTERNAL HEIGHT	.048	.553	.102	.038	.127	.033	.973	.974	.972	.967
12 BUST POINT HEIGHT	-.023	.457	.037	-.021	.057	.012	.927	.927	.927	.935
13 WAIST HEIGHT	.039	.497	.074	.026	.110	.009	.914	.916	.927	.919
14 ABDOMINAL EXTENSION HT	-.023	.431	.024	-.037	.062	-.010	.897	.899	.911	.900
15 TROCHANTERIC HEIGHT	.010	.460	.050	.014	.078	.010	.852	.854	.866	.866
16 BUTTOCK HEIGHT	-.035	.468	.085	.056	.144	.040	.847	.849	.866	.859
17 GLUTEAL FURROW HEIGHT	-.050	.366	.017	-.021	.070	-.009	.825	.824	.839	.828
18 TIBIAL HEIGHT	-.003	.408	.047	.006	.091	-.013	.787	.789	.815	.798
19 CROTCH HEIGHT	-.055	.431	.036	.000	.092	.007	.849	.854	.876	.865
20 ANKLE HEIGHT	.044	.158	-.009	.048	.029	-.066	.306	.307	.328	.315
21 LAT'AL MALLEOLUS HT	-.002	.246	.084	.038	.089	.052	.426	.425	.419	.413
22 SITTING HT, RELAXED	.100	.452	.091	.017	.080	.025	.782	.783	.735	.711
23 SITTING HEIGHT	.091	.481	.105	.026	.090	.040	.801	.803	.753	.729
24 EYE HEIGHT, SITTING	.109	.448	.112	.020	.096	.044	.737	.740	.699	.673
25 MIDSHOULDER HT, SIT	.134	.497	.147	.094	.120	.065	.716	.719	.703	.721
26 WAIST HEIGHT, SITTING	.145	.386	.224	.190	.178	.107	.404	.408	.398	.396
27 ELBOW REST HEIGHT	.046	.160	.097	.040	.071	.075	.204	.205	.186	.220
28 POPLITEAL HEIGHT	-.072	.370	.015	-.013	.101	-.006	.728	.730	.745	.736
29 BUTTOCK-POPLIT'AL L	.086	.565	.225	.181	.233	.121	.653	.655	.673	.674
30 BUTTOCK-KNEE LENGTH	.063	.694	.290	.225	.284	.183	.769	.770	.789	.789
31 ACROMION-RADIAL L	.047	.441	.068	.037	.108	-.002	.725	.727	.734	.752
32 RADIAL-STYLION L	.003	.376	.023	.002	.038	-.046	.666	.669	.688	.677
33 THUMB-TIP REACH	.086	.433	.084	.047	.105	.010	.646	.647	.662	.657
34 THUMB-TIP, EXTENDED	.037	.422	.068	.064	.063	.023	.612	.613	.618	.616
35 OVERHEAD REACH	.010	.485	.043	-.003	.074	.017	.852	.853	.855	.858
36 NECK CIRCUMFERENCE	.159	.582	.306	.364	.309	.167	.319	.318	.316	.316
37 SHOULDER CIRCUMFERENCE	.233	.835	.530	.582	.540	.244	.334	.334	.334	.350
38 CHEST CIRC AT SCYE	.291	.803	.503	.609	.553	.241	.292	.291	.292	.316
39 BUST CIRCUMFERENCE	.287	.799	.525	.628	.600	.261	.257	.257	.263	.291
40 CHEST C BELOW BUST	.265	.790	.488	.572	.538	.245	.288	.289	.293	.328
41 WAIST CIRCUMFERENCE	.234	.824	.542	.646	.641	.289	.279	.277	.293	.313
42 ABDOMINAL EXT CIRC	.296	.794	.588	.628	.609	.337	.245	.243	.246	.267
43 HIP C-7" BLW WAIST	.230	.892	.614	.579	.578	.377	.355	.352	.353	.370
44 HIP C-9" BLW WAIST	.219	.886	.612	.529	.543	.397	.360	.360	.365	.375
45 UPPER THIGH CIRCUM	.155	.840	.630	.523	.566	.422	.266	.265	.274	.283

TABLE XXIV

THE CORRELATION MATRIX FOR AGE AND FULL SAMPLE VARIABLES

		1	2	3	4	5	6	7	8	9	10
46	KNEE CIRCUMFERENCE	.145	.819	.564	.410	.444	.454	.386	.386	.391	.393
47	CALF CIRCUM, RIGHT	.047	.752	.488	.343	.375	.435	.296	.294	.290	.292
48	CALF CIRCUM, LEFT	.061	.747	.481	.333	.360	.430	.300	.298	.292	.295
49	ANKLE CIRCUMFERENCE	-.023	.591	.320	.176	.226	.318	.354	.354	.348	.343
50	VERTICAL TRUNK CIR	.272	.787	.411	.375	.357	.242	.619	.619	.612	.638
51	VERT TRUNK CIR,SIT	.235	.737	.354	.323	.327	.194	.679	.681	.674	.696
52	BUTTOCK CIRC, SIT	.277	.904	.597	.549	.551	.378	.380	.381	.388	.404
53	SCYE CIRCUMFERENCE	.262	.776	.495	.533	.487	.241	.365	.365	.374	.408
54	AXILLARY ARM CIRC	.238	.793	.667	.681	.637	.350	.164	.165	.174	.184
55	BICEPS CIR,RELAX,R	.288	.803	.717	.632	.585	.425	.141	.140	.149	.167
56	BICEPS CIR, FLEX,R	.293	.805	.692	.606	.565	.402	.163	.162	.170	.189
57	BICEPS CIR,RELAX,L	.298	.806	.709	.634	.582	.428	.136	.135	.144	.165
58	BICEPS CIR, FLEX,L	.307	.805	.685	.608	.564	.413	.156	.154	.165	.183
59	ELBOW CIRC, FLEXED	.131	.572	.301	.280	.299	.182	.411	.411	.416	.425
60	FOREARM CIR, RELAX	.194	.808	.559	.484	.479	.336	.309	.308	.315	.333
61	FOREARM CIR,FLEXED	.175	.779	.537	.466	.472	.322	.307	.307	.315	.327
62	WRIST CIRCUMFERENCE	.102	.646	.308	.273	.312	.179	.453	.455	.450	.452
63	BIACROMIAL BREADTH	.149	.495	.149	.156	.140	.031	.456	.456	.452	.417
64	BIDELTOID BREADTH	.227	.798	.529	.556	.530	.254	.302	.301	.304	.322
65	CHEST BREADTH	.231	.701	.402	.472	.423	.186	.278	.280	.276	.314
66	BUSTPT-BUSTPT BRTH	.158	.586	.357	.415	.440	.158	.211	.210	.215	.235
67	WAIST BREADTH	.146	.768	.469	.535	.573	.263	.329	.331	.343	.359
68	HIP BREADTH	.194	.770	.530	.425	.444	.364	.348	.348	.349	.350
69	THIGH-THIGH BR,SIT	.273	.783	.591	.476	.480	.414	.239	.241	.247	.256
70	HUMERAL BREADTH, R	.137	.538	.202	.118	.197	.098	.486	.488	.483	.484
71	HUMERAL BREADTH, L	.105	.544	.214	.115	.198	.113	.491	.494	.493	.493
72	FEMORAL BREADTH, R	.115	.487	.282	.206	.239	.185	.338	.342	.344	.343
73	FEMORAL BREADTH, L	.136	.515	.299	.220	.250	.196	.346	.350	.352	.354
74	CHEST DEPTH	.292	.744	.511	.611	.577	.257	.227	.229	.245	.264
75	WAIST DEPTH	.289	.736	.498	.608	.566	.274	.192	.192	.210	.230
76	ABDOMINAL EXT DPTH	.289	.791	.573	.637	.594	.355	.208	.208	.225	.246
77	BUTTOCK DEPTH	.164	.805	.598	.577	.537	.392	.238	.239	.250	.271
78	THIGH CLEARANCE	-.009	.714	.419	.329	.416	.306	.431	.436	.447	.443
79	SHOULDER LENGTH	.028	.273	.038	.032	.040	-.033	.365	.366	.373	.276
80	NECK-BUST POINT L	.311	.573	.363	.406	.421	.161	.265	.266	.271	.258
81	STRAP LENGTH	.326	.655	.411	.448	.443	.172	.323	.323	.316	.306
82	INTERSCYE	.194	.534	.302	.364	.340	.111	.188	.190	.191	.204
83	INTERSCYE, MAXIMUM	.171	.553	.294	.324	.331	.100	.352	.353	.362	.355
84	BACK CURVATURE	.165	.606	.358	.431	.356	.213	.236	.238	.238	.270
85	WAIST BACK	.010	.298	.021	-.034	.036	.012	.585	.588	.609	.556
86	ANTERIOR WAIST LTH	.047	.459	.218	.197	.258	.140	.458	.457	.437	.436
87	SLEEVE INSEAM	-.083	.288	-.056	-.081	-.030	-.057	.707	.708	.728	.701
88	SPINE-TO-SCYE LGTH	.151	.430	.184	.198	.233	.042	.259	.261	.258	.264
89	SPINE-TO-ELBOW LTH	.127	.569	.178	.139	.178	.037	.679	.681	.678	.662
90	SPINE-TO-WRIST LTH	.077	.566	.133	.101	.145	.008	.758	.760	.768	.756

TABLE XXIV

THE CORRELATION MATRIX FOR AGE AND FULL SAMPLE VARIABLES

		1	2	3	4	5	6	7	8	9	10
91	HAND LENGTH	.080	.383	.007	-.020	.050	-.068	.601	.605	.604	.592
92	HAND BREADTH	.140	.417	.057	.046	.084	.002	.380	.381	.376	.376
93	HAND CIRCUMFERENCE	.138	.495	.154	.124	.168	.046	.365	.367	.364	.368
94	FOOT LENGTH	.055	.510	.052	.038	.101	-.021	.692	.696	.697	.684
95	FOOT BREADTH	.007	.393	.055	.040	.066	.031	.355	.355	.346	.349
96	HEAD LENGTH	.118	.304	.058	.021	.052	.035	.318	.321	.299	.298
97	HEAD BREADTH	.190	.290	.156	.133	.142	.090	.136	.137	.121	.134
98	HEAD CIRCUMFERENCE	.095	.403	.107	.099	.097	.063	.331	.335	.308	.311
99	TRAGION-TOP HEAD	.067	.222	.060	.070	.063	.059	.244	.242	.208	.206
100	ECTOANTHUS-TOP HD	.061	.168	.022	.012	.011	.011	.236	.234	.198	.197
101	PRONASALE-TOP HEAD	.096	.145	.013	-.020	-.026	-.011	.240	.238	.199	.195
102	SUBNASALE-TOP HEAD	.069	.183	.014	-.001	-.019	.000	.287	.284	.244	.241
103	STOMION-TOP HEAD	.057	.186	.004	-.014	-.021	-.007	.294	.292	.254	.247
104	MENTON-TOP HEAD	.065	.272	.033	.009	.006	.013	.359	.358	.316	.315
105	TRAGION TO WALL	.086	.204	.075	.085	.081	.038	.177	.178	.188	.188
106	ECTOANTHUS-WALL	.138	.291	.092	.099	.086	.026	.241	.242	.244	.243
107	PRONASALE TO WALL	.146	.344	.099	.104	.099	.047	.280	.281	.289	.287
108	SUBNASALE TO WALL	.084	.311	.082	.120	.104	.037	.230	.233	.245	.245
109	LIP PROTRUSION-WALL	.069	.270	.064	.121	.105	.026	.163	.166	.184	.185
110	MENTON TO WALL	.145	.303	.132	.197	.162	.071	.107	.108	.136	.146
111	SAGITTAL CURVATURE	.096	.237	.035	.033	-.025	.041	.279	.280	.245	.242
112	BITRAGION-CORONAL	.067	.303	.124	.129	.124	.083	.243	.245	.214	.219
113	BIOCLAR BREADTH	.086	.234	.081	.064	.118	-.022	.192	.196	.203	.194
114	BIAURICULAR BRDTH	.123	.216	.116	.105	.050	.028	.152	.152	.138	.146
115	BITRAGION BREADTH	.245	.392	.208	.207	.167	.111	.228	.229	.221	.237
116	BIZYGOMATIC BRDTH	.089	.358	.207	.189	.234	.131	.199	.199	.203	.206
117	BIGONIAL BREADTH	.146	.347	.235	.222	.272	.091	.142	.144	.152	.158
118	NASAL BREADTH	.063	.100	-.047	.055	-.007	-.099	.032	.035	.041	.040
119	LIP LENGTH	.044	.083	-.049	-.012	.009	-.068	.061	.067	.074	.064
120	MENTON-SUBNASALE L	.038	.211	.052	.042	.035	-.004	.181	.183	.169	.176
121	MENTON-SELLION LTH	.189	.264	.054	.035	.025	-.024	.267	.269	.253	.249
122	SUBNASALE-SELLION	.259	.165	.031	.003	-.027	-.011	.180	.180	.168	.160
123	EAR LENGTH	.271	.280	.122	.137	.083	.069	.175	.177	.161	.163
124	EAR BREADTH	.137	.139	.042	.029	.010	-.019	.104	.107	.101	.102
125	GRIP STRENGTH	.150	.351	.094	.064	.064	-.022	.295	.298	.288	.296
139	STATURE-REPORTED	.055	.560	.100	.034	.128	.035	.961	.963	.955	.940
140	WEIGHT-REPORTED	.254	.973	.562	.545	.558	.332	.554	.554	.559	.571

TABLE XXIV

THE CORRELATION MATRIX FOR AGE AND FULL SAMPLE VARIABLES

		11	12	13	14	15	16	17	18	19	20
1	AGE	.048	-.023	.039	-.023	.010	-.035	-.050	-.003	-.055	.044
2	WEIGHT	.553	.457	.497	.431	.460	.468	.366	.408	.431	.158
3	TRICEPS SKINFOLD	.102	.037	.074	.024	.050	.085	.017	.047	.036	-.009
4	SUBSCAPULAR SKINFOLD	.038	-.021	.026	-.037	.014	.056	-.021	.006	.000	.048
5	SUPRAILIAC SKINFOLD	.127	.057	.110	.062	.078	.144	.070	.091	.092	.029
6	MEDIAL CALF SKINFOLD	.033	.012	.009	-.010	.010	.040	-.009	-.013	.007	-.066
7	STATURE	.973	.927	.914	.897	.852	.847	.825	.787	.849	.306
8	STATURE, MAXIMUM	.974	.927	.916	.899	.854	.849	.824	.789	.854	.307
9	CERVICAL HEIGHT	.972	.927	.927	.911	.866	.866	.839	.815	.876	.328
10	ACROMIAL HEIGHT	.967	.935	.919	.900	.866	.859	.828	.798	.865	.315
11	SUPRASTERNAL HEIGHT		.942	.931	.916	.874	.868	.836	.809	.880	.316
12	BUST POINT HEIGHT	.942		.897	.893	.856	.844	.837	.786	.862	.300
13	WAIST HEIGHT	.931	.897		.947	.896	.890	.864	.831	.909	.314
14	ABDOMINAL EXTENSION HT	.916	.893	.947		.896	.895	.874	.835	.919	.280
15	TROCHANTERIC HEIGHT	.874	.856	.896	.896		.884	.860	.785	.901	.255
16	BUTTOCK HEIGHT	.868	.844	.890	.895	.884		.885	.819	.907	.304
17	GLUTEAL FURROW HEIGHT	.836	.837	.864	.874	.860	.885		.808	.884	.307
18	TIBIAL HEIGHT	.809	.786	.831	.835	.785	.819	.808		.842	.443
19	CROTCH HEIGHT	.880	.862	.909	.919	.901	.907	.884	.842		.314
20	ANKLE HEIGHT	.316	.300	.314	.280	.255	.304	.307	.443	.314	
21	LAT'AL MALLEOLUS HT	.423	.394	.408	.409	.380	.399	.363	.383	.374	.216
22	SITTING HT, RELAXED	.726	.659	.596	.549	.493	.472	.435	.450	.455	.212
23	SITTING HEIGHT	.744	.673	.607	.559	.507	.482	.445	.453	.467	.210
24	EYE HEIGHT, SITTING	.688	.618	.562	.513	.456	.437	.399	.420	.423	.177
25	MIDSHOULDER HT, SIT	.685	.630	.558	.505	.470	.442	.402	.413	.416	.212
26	WAIST HEIGHT, SITTING	.392	.341	.416	.309	.283	.263	.218	.236	.223	.116
27	ELBOW REST HEIGHT	.172	.144	.045	.004	-.045	-.044	-.087	-.038	-.090	-.005
28	POPLITEAL HEIGHT	.747	.731	.762	.780	.750	.781	.741	.737	.788	.253
29	BUTTOCK-POPLIT'AL L	.687	.654	.710	.700	.697	.713	.655	.612	.715	.189
30	BUTTOCK-KNEE LENGTH	.800	.756	.809	.794	.798	.810	.738	.695	.811	.238
31	ACROMION-RADIAL L	.735	.707	.747	.748	.761	.738	.710	.643	.749	.179
32	RADIAL-STYLION L	.686	.672	.699	.695	.692	.687	.675	.699	.716	.381
33	THUMB-TIP REACH	.655	.627	.652	.638	.649	.637	.619	.608	.656	.275
34	THUMB-TIP, EXTENDED	.614	.598	.613	.594	.624	.578	.576	.550	.609	.272
35	OVERHEAD REACH	.864	.834	.835	.826	.830	.786	.771	.734	.813	.332
36	NECK CIRCUMFERENCE	.310	.271	.264	.223	.246	.249	.198	.260	.228	.266
37	SHOULDER CIRCUMFERENCE	.357	.271	.308	.263	.295	.295	.215	.246	.264	.095
38	CHEST CIRC AT SCYE	.308	.230	.268	.211	.240	.255	.186	.222	.217	.135
39	BUST CIRCUMFERENCE	.279	.183	.238	.180	.212	.238	.163	.198	.190	.104
40	CHEST C BELOW BUST	.308	.253	.258	.202	.248	.261	.188	.220	.222	.110
41	WAIST CIRCUMFERENCE	.298	.216	.238	.192	.255	.274	.189	.204	.221	.120
42	ABDOMINAL EXT CIRC	.249	.170	.215	.111	.185	.214	.133	.161	.147	.077
43	HIP C-7" BLW WAIST	.362	.286	.317	.253	.286	.306	.208	.244	.236	.076
44	HIP C-9" BLW WAIST	.373	.289	.336	.266	.290	.284	.182	.251	.246	.095
45	UPPER THIGH CIRCUM	.281	.210	.252	.199	.219	.235	.148	.204	.192	.035

TABLE XXIV

THE CORRELATION MATRIX FOR AGE AND FULL SAMPLE VARIABLES

		11	12	13	14	15	16	17	18	19	20
46	KNEE CIRCUMFERENCE	.402	.330	.353	.301	.318	.330	.235	.292	.298	.110
47	CALF CIRCUM, RIGHT	.301	.244	.247	.215	.245	.221	.156	.200	.203	.011
48	CALF CIRCUM, LEFT	.304	.248	.249	.217	.250	.228	.162	.196	.206	.001
49	ANKLE CIRCUMFERNCE	.355	.310	.287	.264	.258	.248	.198	.281	.244	.096
50	VERTICAL TRUNK CIR	.617	.542	.501	.425	.437	.399	.325	.364	.365	.186
51	VERT TRUNK CIR,SIT	.672	.601	.561	.490	.481	.457	.387	.417	.420	.204
52	BUTTOCK CIRC, SIT	.399	.310	.361	.282	.322	.322	.209	.269	.274	.107
53	SCYE CIRCUMFERENCE	.386	.306	.342	.285	.319	.324	.253	.279	.288	.160
54	AXILLARY ARM CIRC	.191	.107	.146	.083	.114	.145	.060	.106	.096	.092
55	BICEPS CIR,RELAX,R	.170	.086	.120	.060	.108	.116	.034	.070	.074	.034
56	BICEPS CIR, FLEX,R	.193	.104	.139	.087	.127	.142	.054	.092	.096	.036
57	BICEPS CIR,RELAX,L	.164	.089	.122	.058	.108	.115	.034	.074	.073	.046
58	BICEPS CIR, FLEX,L	.184	.105	.139	.081	.122	.136	.054	.097	.092	.058
59	ELBOW CIRC, FLEXED	.430	.381	.383	.370	.389	.375	.331	.347	.366	.161
60	FOREARM CIR, RELAX	.338	.263	.275	.236	.267	.262	.191	.233	.238	.103
61	FOREARM CIR,FLEXED	.335	.262	.272	.242	.264	.265	.197	.242	.241	.103
62	WRIST CIRCUMFERNCE	.462	.395	.398	.367	.366	.371	.298	.349	.358	.182
63	BIACROMIAL BREADTH	.454	.412	.409	.386	.401	.363	.341	.361	.380	.188
64	BIDELTOID BREADTH	.318	.241	.273	.219	.252	.264	.182	.239	.223	.136
65	CHEST BREADTH	.291	.232	.242	.196	.228	.231	.166	.194	.208	.075
66	BUSTPT-BUSTPT BRTH	.239	.154	.211	.179	.196	.213	.150	.176	.181	.045
67	WAIST BREADTH	.344	.266	.293	.256	.295	.320	.241	.255	.277	.145
68	HIP BREADTH	.350	.276	.318	.253	.276	.251	.175	.237	.225	.091
69	THIGH-THIGH BR,SIT	.247	.170	.212	.136	.175	.168	.070	.134	.130	.041
70	HUMERAL BREADTH, R	.496	.438	.442	.428	.396	.385	.345	.385	.392	.154
71	HUMERAL BREADTH, L	.501	.445	.446	.434	.405	.402	.357	.389	.403	.170
72	FEMORAL BREADTH, R	.349	.291	.308	.287	.257	.287	.227	.293	.279	.110
73	FEMORAL BREADTH, L	.356	.296	.316	.294	.269	.297	.232	.296	.289	.097
74	CHEST DEPTH	.255	.163	.235	.174	.213	.235	.157	.184	.191	.102
75	WAIST DEPTH	.218	.136	.181	.109	.189	.206	.111	.130	.144	.084
76	ABDOMINAL EXT DPTH	.231	.156	.210	.117	.212	.237	.130	.147	.171	.079
77	BUTTOCK DEPTH	.264	.189	.243	.173	.234	.246	.128	.185	.187	.074
78	THIGH CLEARANCE	.454	.399	.443	.413	.428	.441	.364	.400	.433	.106
79	SHOULDER LENGTH	.353	.311	.335	.325	.325	.277	.293	.306	.318	.126
80	NECK-BUST POINT L	.258	.032	.224	.162	.165	.200	.127	.197	.156	.131
81	STRAP LENGTH	.320	.093	.260	.200	.210	.242	.157	.213	.185	.110
82	INTERSCYE	.193	.130	.164	.122	.139	.165	.107	.148	.135	.121
83	INTERSCYE, MAXIMUM	.343	.277	.322	.275	.241	.296	.242	.336	.276	.246
84	BACK CURVATURE	.241	.184	.201	.169	.209	.225	.147	.134	.173	.002
85	WAIST BACK	.549	.511	.395	.418	.372	.349	.350	.342	.373	.160
86	ANTERIOR WAIST LTH	.484	.414	.217	.272	.269	.285	.240	.258	.265	.126
87	SLEEVE INSEAM	.717	.722	.737	.749	.742	.726	.746	.733	.775	.382
88	SPINE-TO-SCYE LGTH	.252	.198	.228	.202	.171	.213	.169	.223	.190	.111
89	SPINE-TO-ELBOW LTH	.676	.626	.660	.641	.630	.613	.593	.582	.629	.233
90	SPINE-TO-WRIST LTH	.767	.731	.760	.748	.742	.728	.708	.705	.753	.306

TABLE XXIV

THE CORRELATION MATRIX FOR AGE AND FULL SAMPLE VARIABLES

		11	12	13	14	15	16	17	18	19	20
91	HAND LENGTH	.608	.570	.603	.604	.599	.572	.546	.498	.585	.062
92	HAND BREADTH	.377	.334	.340	.332	.328	.315	.276	.313	.328	.158
93	HAND CIRCUMFERENCE	.374	.321	.321	.308	.300	.307	.250	.303	.300	.149
94	FOOT LENGTH	.696	.646	.680	.661	.658	.637	.602	.611	.664	.271
95	FOOT BREADTH	.357	.341	.341	.320	.344	.300	.284	.292	.311	.175
96	HEAD LENGTH	.307	.284	.297	.283	.287	.270	.242	.229	.280	.032
97	HEAD BREADTH	.117	.085	.123	.090	.096	.106	.087	.101	.089	.001
98	HEAD CIRCUMFERENCE	.319	.284	.306	.280	.317	.276	.251	.251	.294	.095
99	TRAGION-TOP HEAD	.214	.190	.205	.193	.216	.177	.187	.174	.191	.110
100	ECTOANTHUS-TOP HD	.211	.194	.194	.192	.213	.163	.178	.171	.190	.122
101	PRONASALE-TOP HEAD	.211	.192	.192	.190	.189	.145	.156	.174	.176	.100
102	SUBNASALE-TOP HEAD	.259	.241	.235	.230	.239	.185	.195	.211	.217	.141
103	STOMION-TOP HEAD	.269	.245	.246	.246	.250	.206	.206	.221	.236	.133
104	MENTON-TOP HEAD	.335	.309	.302	.303	.315	.261	.245	.253	.289	.105
105	TRAGION TO WALL	.186	.187	.187	.184	.195	.184	.180	.188	.194	.150
106	ECTOANTHUS-WALL	.247	.235	.241	.223	.258	.213	.220	.222	.244	.154
107	PRONASALE TO WALL	.290	.269	.285	.268	.292	.251	.248	.259	.269	.151
108	SUBNASALE TO WALL	.248	.236	.253	.237	.273	.233	.230	.240	.257	.155
109	LIP PROTRUSION-WALL	.186	.179	.201	.187	.231	.193	.192	.190	.217	.119
110	MENTON TO WALL	.135	.122	.145	.127	.163	.135	.136	.146	.146	.103
111	SAGITTAL CURVATURE	.244	.225	.217	.196	.199	.165	.172	.198	.196	.191
112	BITRAGION-CORONAL	.216	.180	.211	.195	.214	.198	.179	.165	.197	.027
113	BIOCLAR BREADTH	.202	.177	.211	.204	.184	.196	.155	.187	.198	-.032
114	BIAURICULAR BREADTH	.144	.133	.135	.110	.126	.099	.088	.114	.100	.054
115	BITRAGION BREADTH	.222	.188	.222	.186	.193	.181	.152	.178	.174	.075
116	BIZYGOMATIC BREADTH	.203	.162	.200	.186	.148	.192	.145	.177	.172	-.019
117	BIGONIAL BREADTH	.146	.098	.150	.130	.090	.150	.093	.120	.112	-.017
118	NASAL BREADTH	.057	.049	.065	.072	.110	.090	.070	.087	.114	.066
119	LIP LENGTH	.072	.048	.093	.094	.083	.100	.067	.090	.105	-.026
120	MENTON-SUBNASALE L	.180	.164	.165	.161	.181	.164	.123	.108	.167	.006
121	MENTON-SELLION LTH	.256	.222	.225	.216	.224	.202	.158	.179	.205	.029
122	SUBNASALE-SELLION	.162	.132	.138	.128	.118	.104	.080	.125	.107	.080
123	EAR LENGTH	.171	.140	.149	.105	.142	.120	.088	.117	.110	.075
124	EAR BREADTH	.108	.101	.107	.101	.118	.101	.066	.105	.100	.093
125	GRIP STRENGTH	.300	.253	.254	.253	.237	.229	.215	.247	.246	.141
139	STATURE-REPORTED	.950	.898	.897	.880	.839	.833	.803	.773	.844	.306
140	WEIGHT-REPORTED	.571	.476	.516	.450	.473	.478	.381	.426	.447	.163

TABLE XXIV

THE CORRELATION MATRIX FOR AGE AND FULL SAMPLE VARIABLES

		21	22	23	24	25	26	27	28	29	30
1	AGE	-.002	.100	.091	.109	.134	.145	.046	-.072	.086	.063
2	WEIGHT	.246	.452	.481	.448	.497	.386	.160	.370	.565	.694
3	TRICEPS SKINFOLD	.084	.091	.105	.112	.147	.224	.097	.015	.225	.290
4	SUBSCAPULAR SKINFOLD	.038	.017	.026	.020	.094	.190	.040	-.013	.181	.225
5	SUPRAILIAIC SKINFOLD	.089	.080	.090	.096	.120	.178	.071	.101	.233	.284
6	MEDIAL CALF SKINFOLD	.052	.025	.040	.044	.065	.107	.075	-.006	.121	.183
7	STATURE	.426	.782	.801	.737	.716	.404	.204	.728	.653	.769
8	STATURE, MAXIMUM	.425	.783	.803	.740	.719	.408	.205	.730	.655	.770
9	CERVICAL HEIGHT	.419	.735	.753	.699	.703	.398	.186	.745	.673	.789
10	ACROMIAL HEIGHT	.413	.711	.729	.673	.721	.396	.220	.736	.674	.789
11	SUPRASTERNAL HEIGHT	.423	.726	.744	.688	.685	.392	.172	.747	.687	.800
12	BUSTPOINT HEIGHT	.394	.659	.673	.618	.630	.341	.144	.731	.654	.756
13	WAIST HEIGHT	.408	.596	.607	.562	.558	.416	.045	.762	.710	.809
14	ABDOMINAL EXTENSION HT	.409	.549	.559	.513	.505	.309	.004	.780	.700	.794
15	TROCHANTERIC HEIGHT	.380	.493	.507	.456	.470	.283	-.045	.750	.697	.798
16	BUTTOCK HEIGHT	.399	.472	.482	.437	.442	.263	-.044	.781	.713	.810
17	GLUTEAL FURROW HEIGHT	.363	.435	.445	.399	.402	.218	-.087	.741	.655	.738
18	TIBIAL HEIGHT	.383	.450	.453	.420	.413	.236	-.038	.737	.612	.695
19	CROTCH HEIGHT	.374	.455	.467	.423	.416	.223	-.090	.788	.715	.811
20	ANKLE HEIGHT	.216	.212	.210	.177	.212	.116	-.005	.253	.189	.238
21	LAT'L MALLEOLUS HT		.329	.332	.314	.287	.197	.095	.362	.256	.287
22	SITTING HT, RELAXED	.329		.968	.903	.851	.544	.538	.395	.291	.402
23	SITTING HEIGHT	.332	.968		.928	.881	.556	.545	.398	.321	.431
24	EYE HEIGHT, SITTING	.314	.903	.928		.837	.569	.558	.359	.291	.392
25	MIDSHOULDER HT, SIT	.287	.851	.881	.837		.557	.646	.361	.289	.402
26	WAIST HEIGHT, SITTING	.197	.544	.556	.569	.557		.426	.171	.167	.252
27	ELBOW REST HEIGHT	.095	.538	.545	.558	.646	.426		-.048	-.128	-.070
28	POPLITEAL HEIGHT	.362	.395	.398	.359	.361	.171	-.048		.559	.653
29	BUTTOCK-POPLIT'L L	.256	.291	.321	.291	.289	.167	-.128	.559		.865
30	BUTTOCK-KNEE LENGTH	.287	.402	.431	.392	.402	.252	-.070	.653	.865	
31	ACROMION-RADIAL L	.321	.431	.449	.409	.416	.254	-.134	.629	.598	.682
32	RADIAL-STYLION L	.212	.361	.379	.321	.347	.172	-.123	.615	.558	.633
33	THUMB-TIP REACH	.248	.390	.393	.333	.393	.164	-.083	.569	.515	.604
34	THUMB-TIP, EXTENDED	.218	.392	.419	.384	.388	.257	-.012	.484	.489	.581
35	OVERHEAD REACH	.313	.594	.615	.558	.568	.311	.060	.671	.622	.739
36	NECK CIRCUMFERENCE	.129	.305	.326	.287	.333	.245	.095	.211	.259	.350
37	SHOULDER CIRCUMFERENCE	.152	.291	.312	.287	.334	.284	.061	.230	.391	.482
38	CHEST CIRC AT SCYE	.127	.267	.282	.263	.313	.289	.065	.181	.349	.439
39	BUST CIRCUMFERENCE	.128	.225	.239	.227	.281	.259	.074	.172	.345	.426
40	CHEST C BELOW BUST	.135	.243	.263	.241	.307	.238	.101	.189	.353	.437
41	WAIST CIRCUMFERENCE	.116	.212	.236	.205	.297	.201	.065	.186	.389	.474
42	ABDOMINAL EXT CIRC	.101	.226	.246	.242	.296	.311	.121	.124	.349	.425
43	HIP C-7" BLW WAIST	.152	.315	.345	.327	.381	.330	.146	.209	.479	.577
44	HIP C-9" BLW WAIST	.134	.355	.383	.363	.406	.379	.175	.201	.477	.583
45	UPPER THIGH CIRCUMFERENCE	.123	.242	.269	.256	.305	.309	.143	.168	.423	.513

TABLE XXIV

THE CORRELATION MATRIX FOR AGE AND FULL SAMPLE VARIABLES

	21	22	23	24	25	26	27	28	29	30
46 KNEE CIRCUMFERENCE	.225	.340	.366	.343	.373	.296	.156	.246	.438	.555
47 CALF CIRCUM, RIGHT	.184	.286	.312	.285	.300	.220	.108	.193	.306	.447
48 CALF CIRCUM, LEFT	.178	.286	.313	.289	.302	.225	.105	.196	.309	.446
49 ANKLE CIRCUMFERNCE	.211	.348	.377	.344	.364	.240	.166	.224	.251	.384
50 VERTICAL TRUNK CIR	.241	.678	.706	.671	.751	.490	.429	.297	.441	.558
51 VERT TRUNK CIR,SIT	.275	.741	.770	.731	.818	.534	.480	.351	.435	.556
52 BUTTOCK CIRC, SIT	.142	.361	.385	.367	.416	.381	.163	.226	.484	.593
53 SCYE CIRCUMFERENCE	.166	.317	.338	.320	.393	.325	.116	.241	.390	.484
54 AXILLARY ARM CIRC	.102	.183	.201	.191	.241	.275	.076	.079	.298	.375
55 BICEPS CIR,RELAX,R	.083	.155	.175	.162	.220	.235	.088	.058	.294	.382
56 BICEPS CIR, FLEX,R	.098	.167	.186	.174	.231	.231	.091	.084	.310	.398
57 BICEPS CIR,RELAX,L	.074	.144	.164	.150	.216	.236	.074	.051	.298	.380
58 BICEPS CIR, FLEX,L	.092	.155	.176	.163	.225	.227	.076	.075	.308	.393
59 ELBOW CIRC, FLEXED	.217	.397	.329	.296	.326	.218	.062	.324	.357	.460
60 FOREARM CIR, RELAX	.171	.272	.298	.264	.327	.241	.086	.221	.348	.469
61 FOREARM CIR,FLEXED	.168	.266	.291	.260	.310	.231	.083	.223	.341	.461
62 WRIST CIRCUMFERNCE	.265	.401	.427	.398	.407	.265	.122	.353	.339	.460
63 BIACROMIAL BREADTH	.161	.374	.384	.339	.323	.198	-.083	.327	.344	.423
64 BIDELOID BREADTH	.124	.270	.289	.266	.315	.275	.064	.206	.369	.460
65 CHEST BREADTH	.105	.248	.277	.275	.294	.273	.107	.155	.320	.395
66 BUSTPT-BUSTPT BRTH	.119	.162	.167	.160	.161	.167	.008	.168	.278	.338
67 WAIST BREADTH	.122	.259	.277	.234	.338	.158	.080	.249	.376	.469
68 HIP BREADTH	.102	.355	.379	.371	.386	.359	.187	.181	.426	.527
69 THIGH-THIGH BR,SIT	.070	.283	.309	.303	.340	.353	.203	.085	.355	.450
70 HUMERAL BREADTH, R	.303	.416	.440	.418	.399	.275	.144	.357	.359	.451
71 HUMERAL BREADTH, L	.295	.414	.437	.406	.414	.258	.143	.362	.368	.460
72 FEMORAL BREADTH, R	.262	.298	.313	.330	.268	.240	.138	.239	.288	.357
73 FEMORAL BREADTH, L	.266	.302	.320	.333	.281	.243	.142	.250	.297	.371
74 CHEST DEPTH	.130	.178	.194	.190	.239	.250	.060	.165	.344	.417
75 WAIST DEPTH	.089	.157	.174	.153	.249	.226	.067	.127	.331	.397
76 ABDOMINAL EXT DPTH	.097	.151	.177	.171	.243	.249	.069	.129	.398	.473
77 BUTTOCK DEPTH	.088	.196	.227	.204	.284	.274	.103	.149	.445	.544
78 THIGH CLEARANCE	.230	.283	.320	.334	.310	.263	.080	.381	.477	.591
79 SHOULDER LENGTH	.077	.297	.306	.290	.229	.145	-.095	.257	.226	.301
80 NECK-BUST POINT L	.107	.288	.293	.299	.304	.266	.131	.132	.240	.311
81 STRAP LENGTH	.157	.347	.357	.350	.344	.299	.136	.159	.286	.360
82 INTERSCYE	.083	.165	.194	.187	.233	.180	.049	.110	.226	.273
83 INTERSCYE, MAXIMUM	.137	.313	.320	.319	.327	.275	.111	.253	.311	.376
84 BACK CURVATURE	.116	.202	.230	.219	.274	.199	.101	.159	.274	.343
85 WAIST BACK	.234	.615	.657	.604	.643	.097	.367	.311	.241	.323
86 ANTERIOR WAIST LTH	.202	.519	.531	.506	.495	.118	.323	.242	.250	.329
87 SLEEVE INSEAM	.226	.374	.389	.326	.335	.151	-.208	.637	.567	.645
88 SPINE-TO-SCYE LGTH	.143	.239	.245	.245	.259	.180	.101	.199	.207	.257
89 SPINE-TO-ELBOW LTH	.258	.486	.499	.458	.441	.294	-.086	.540	.535	.639
90 SPINE-TO-WRIST LTH	.273	.485	.501	.449	.454	.276	-.115	.649	.615	.719

TABLE XXIV

THE CORRELATION MATRIX FOR AGE AND FULL SAMPLE VARIABLES

		21	22	23	24	25	26	27	28	29	30
91	HAND LENGTH	.309	.402	.414	.383	.360	.196	.013	.557	.447	.514
92	HAND BREADTH	.209	.303	.320	.292	.297	.163	.064	.339	.264	.345
93	HAND CIRCUMFERENCE	.225	.298	.319	.286	.313	.165	.085	.312	.264	.362
94	FOOT LENGTH	.273	.485	.509	.450	.455	.270	.037	.592	.524	.626
95	FOOT BREADTH	.155	.254	.271	.218	.255	.138	.009	.281	.288	.361
96	HEAD LENGTH	.152	.268	.275	.229	.208	.140	.040	.253	.249	.296
97	HEAD BREADTH	.088	.129	.136	.103	.129	.105	.037	.087	.111	.140
98	HEAD CIRCUMFERENCE	.116	.273	.294	.214	.241	.134	.021	.235	.293	.344
99	TRAGION-TOP HEAD	.072	.226	.232	.131	.151	.084	-.005	.136	.177	.214
100	ECTOANTHUS-TOP HD	.076	.208	.211	.080	.131	.061	-.019	.137	.160	.195
101	PRONASALE-TOP HEAD	.093	.226	.227	.110	.137	.074	-.009	.123	.151	.164
102	SUBNASALE-TOP HEAD	.115	.265	.269	.143	.181	.100	.001	.160	.179	.208
103	STOMION-TOP HEAD	.102	.262	.265	.145	.176	.086	.001	.185	.191	.226
104	MENTON-TOP HEAD	.143	.314	.320	.201	.227	.109	.007	.233	.248	.291
105	TRAGION TO WALL	.050	.100	.115	.091	.128	.066	-.045	.135	.213	.239
106	ECTOANTHUS-WALL	.052	.162	.184	.140	.180	.101	-.046	.170	.255	.296
107	PRONASALE TO WALL	.090	.201	.221	.195	.220	.125	-.019	.216	.279	.328
108	SUBNASALE TO WALL	.047	.134	.154	.133	.162	.086	-.047	.202	.274	.315
109	LIP PROTRUSION-WALL	-.006	.057	.078	.070	.101	.043	-.075	.165	.242	.282
110	MENTON TO WALL	.003	.037	.054	.060	.107	.066	-.047	.117	.209	.232
111	SAGITTAL CURVATURE	.081	.296	.311	.215	.251	.144	.074	.112	.170	.197
112	BITRAGION-CORONAL	.091	.215	.232	.154	.175	.097	.015	.156	.212	.240
113	BIOCLAR BREADTH	.107	.114	.116	.108	.091	.079	.026	.215	.209	.221
114	BIAURICULAR BREADTH	.024	.159	.165	.123	.158	.111	.022	.049	.115	.130
115	BITRAGION BREADTH	.125	.193	.204	.170	.213	.160	.041	.149	.197	.245
116	BIZYGOMATIC BREADTH	.160	.144	.146	.141	.129	.115	.051	.189	.192	.234
117	BIGONIAL BREADTH	.124	.124	.128	.138	.138	.128	.080	.144	.143	.180
118	NASAL BREADTH	-.035	-.081	-.066	-.090	-.068	-.075	-.127	.116	.137	.137
119	LIP LENGTH	.015	-.003	-.006	.005	-.022	-.022	-.025	.137	.114	.120
120	MENTON-SUBNASALE L	.036	.145	.155	.138	.132	.059	.023	.137	.169	.203
121	MENTON-SELLION LTH	.118	.238	.248	.240	.202	.105	.053	.185	.180	.211
122	SUBNASALE-SELLION	.087	.179	.191	.188	.148	.088	.057	.099	.091	.104
123	EAR LENGTH	.056	.150	.168	.130	.154	.111	.015	.096	.167	.185
124	EAR BREADTH	.040	.067	.068	.050	.061	.021	-.046	.083	.127	.143
125	GRIP STRENGTH	.098	.244	.252	.232	.249	.116	.035	.216	.208	.280
139	STATURE-REPORTED	.413	.745	.766	.710	.697	.383	.185	.712	.661	.778
140	WEIGHT-REPORTED	.253	.468	.497	.465	.513	.392	.163	.387	.571	.694

TABLE XXIV

THE CORRELATION MATRIX FOR AGE AND FULL SAMPLE VARIABLES

		31	32	33	34	35	36	37	38	39	40
1	AGE	.047	.003	.086	.037	.010	.159	.233	.291	.287	.265
2	WEIGHT	.441	.376	.433	.422	.485	.582	.835	.803	.799	.790
3	TRICEPS SKINFOLD	.068	.023	.084	.068	.043	.306	.530	.503	.525	.488
4	SUBSCAPULAR SKINFOLD	.037	.002	.047	.064	-.003	.364	.582	.609	.628	.572
5	SUPRAILIAC SKINFOLD	.108	.038	.105	.063	.074	.309	.540	.553	.600	.538
6	MEDIAL CALF SKINFOLD	-.002	-.046	.010	.023	.017	.167	.244	.241	.261	.245
7	STATURE	.725	.666	.646	.612	.852	.319	.334	.292	.257	.288
8	STATURE, MAXIMUM	.727	.669	.647	.613	.853	.318	.334	.291	.257	.289
9	CERVICALE HEIGHT	.734	.688	.662	.618	.855	.316	.334	.292	.263	.293
10	ACROMIAL HEIGHT	.752	.677	.657	.616	.858	.316	.350	.316	.291	.328
11	SUPRASTERNALE HGHT	.735	.686	.655	.614	.864	.310	.357	.308	.279	.308
12	BUSTPOINT HEIGHT	.707	.672	.627	.598	.834	.271	.271	.230	.183	.253
13	WAIST HEIGHT	.747	.699	.652	.613	.835	.264	.308	.268	.238	.258
14	ABDOMINAL EXTEN HT	.748	.695	.638	.594	.826	.223	.263	.211	.180	.202
15	TROCHANTERIC H'GHT	.761	.692	.649	.624	.830	.246	.295	.240	.212	.248
16	BUTTOCK HEIGHT	.738	.687	.637	.578	.786	.249	.295	.255	.238	.261
17	GLUTEAL FURROW HGT	.710	.675	.619	.576	.771	.198	.215	.186	.163	.188
18	TIBIALE HEIGHT	.643	.699	.608	.550	.734	.260	.246	.222	.198	.220
19	CROTCH HEIGHT	.749	.716	.656	.609	.813	.228	.264	.217	.190	.222
20	ANKLE HEIGHT	.179	.381	.275	.272	.332	.266	.095	.135	.104	.110
21	LAT'L MALLEOLUS HT	.321	.212	.248	.218	.313	.129	.152	.127	.128	.135
22	SITTING HT, RELAXED	.431	.361	.390	.392	.594	.305	.291	.267	.225	.243
23	SITTING HEIGHT	.449	.379	.393	.419	.615	.326	.312	.282	.239	.263
24	EYE HEIGHT, SITTING	.409	.321	.333	.384	.558	.287	.287	.263	.227	.241
25	MIDSHOULDER HT, SIT	.416	.347	.393	.388	.568	.333	.334	.313	.281	.307
26	WAIST HGHT, SITTING	.254	.172	.164	.257	.311	.245	.284	.289	.259	.238
27	ELBOW REST HEIGHT	-.134	-.123	-.083	-.012	.060	.095	.061	.065	.074	.101
28	POPLITEAL HEIGHT	.629	.615	.569	.484	.671	.211	.230	.181	.172	.189
29	BUTTOCK-POPLIT'L L	.598	.558	.515	.489	.622	.259	.391	.349	.345	.353
30	BUTTOCK-KNEE LGTH	.682	.633	.604	.581	.739	.350	.482	.439	.426	.437
31	ACROMION-RADIALE L		.627	.645	.585	.723	.230	.338	.293	.269	.284
32	RADIALE-STYLION L		.627		.617	.576	.688	.296	.239	.203	.182
33	THUMB-TIP REACH		.645	.617		.594	.636	.278	.312	.285	.258
34	THUMB-TIP, EXTENDED		.585	.576	.594		.692	.312	.306	.281	.241
35	OVERHEAD REACH		.723	.688	.636	.692		.310	.325	.281	.242
36	NECK CIRCUMFERENCE		.230	.296	.278	.312	.310		.525	.531	.505
37	SHOULDER CIRCUMFER		.338	.239	.312	.306	.325	.525		.879	.810
38	CHEST CIRC AT SCYE		.293	.203	.285	.281	.281	.531	.879		.888
39	BUST CIRCUMFERENCE		.269	.182	.258	.241	.242	.505	.810	.888	
40	CHEST C BELOW BUST		.284	.191	.285	.265	.278	.496	.799	.821	.832
41	WAIST CIRCUMFERNCE		.280	.212	.292	.273	.269	.538	.775	.788	.796
42	ABDOMINAL EXT CIRC		.220	.152	.229	.209	.204	.447	.703	.715	.737
43	HIP C-7" BLW WAIST		.296	.254	.290	.300	.314	.498	.744	.723	.722
44	HIP C-9" BLW WAIST		.285	.249	.284	.304	.321	.473	.717	.686	.674
45	UPPER THIGH CIRCUM		.214	.178	.219	.239	.223	.417	.684	.641	.642

TABLE XXIV

THE CORRELATION MATRIX FOR AGE AND FULL SAMPLE VARIABLES

		31	32	33	34	35	36	37	38	39	40
46	KNEE CIRCUMFERENCE	.270	.275	.305	.308	.341	.436	.600	.569	.557	.558
47	CALF CIRCUM, RIGHT	.222	.175	.250	.264	.289	.395	.567	.517	.489	.520
48	CALF CIRCUM, LEFT	.224	.176	.246	.276	.293	.389	.558	.504	.477	.514
49	ANKLE CIRCUMFERNCE	.214	.224	.254	.251	.314	.343	.415	.371	.340	.384
50	VERTICAL TRUNK CIR	.408	.348	.389	.425	.531	.485	.606	.635	.623	.602
51	VERT TRUNK CIR,SIT	.450	.369	.414	.445	.583	.469	.564	.587	.570	.551
52	BUTTOCK CIRC, SIT	.319	.270	.308	.321	.346	.505	.736	.723	.719	.705
53	SCYE CIRCUMFERENCE	.373	.277	.330	.325	.347	.511	.741	.757	.714	.697
54	AXILLARY ARM CIRC	.150	.105	.181	.181	.153	.498	.801	.802	.776	.708
55	BICEPS CIR,RELAX,R	.109	.077	.162	.159	.133	.463	.758	.746	.729	.698
56	BICEPS CIR, FLEX,R	.133	.103	.175	.175	.152	.469	.764	.737	.717	.695
57	BICEPS CIR,RELAX,L	.114	.094	.166	.173	.140	.490	.764	.750	.728	.701
58	BICEPS CIR, FLEX,L	.127	.111	.170	.181	.156	.491	.760	.752	.727	.693
59	ELBOW CIRC, FLEXED	.349	.348	.333	.341	.419	.379	.510	.503	.453	.452
60	FOREARM CIR, RELAX	.256	.222	.276	.289	.311	.522	.749	.711	.660	.664
61	FOREARM CIR,FLEXED	.257	.225	.277	.280	.313	.494	.722	.689	.636	.636
62	WRIST CIRCUMFERNCE	.378	.342	.389	.366	.421	.444	.566	.532	.485	.503
63	BIACROMIAL BREADTH	.357	.366	.369	.376	.460	.388	.581	.474	.370	.397
64	BIDELTOID BREADTH	.280	.219	.288	.281	.306	.528	.890	.828	.758	.742
65	CHEST BREADTH	.268	.193	.192	.280	.277	.462	.769	.766	.734	.750
66	BUSTPT-BUSTPT BRTH	.243	.160	.201	.188	.210	.340	.560	.581	.720	.558
67	WAIST BREADTH	.302	.238	.342	.281	.310	.508	.719	.715	.706	.728
68	HIP BREADTH	.266	.226	.252	.302	.313	.396	.606	.570	.551	.541
69	THIGH-THIGH BR,SIT	.178	.126	.173	.231	.210	.390	.615	.594	.600	.575
70	HUMERAL BREADTH, R	.376	.336	.353	.365	.436	.335	.455	.421	.387	.408
71	HUMERAL BREADTH, L	.385	.354	.371	.358	.442	.341	.456	.420	.375	.402
72	FEMORAL BREADTH, R	.279	.217	.206	.249	.274	.257	.371	.354	.338	.361
73	FEMORAL BREADTH, L	.292	.218	.219	.256	.281	.267	.396	.375	.357	.388
74	CHEST DEPTH	.258	.175	.239	.221	.212	.454	.702	.758	.880	.753
75	WAIST DEPTH	.222	.139	.241	.183	.176	.455	.670	.689	.723	.705
76	ABDOMINAL EXT DPTH	.225	.160	.241	.222	.198	.443	.685	.696	.733	.710
77	BUTTOCK DEPTH	.198	.177	.243	.257	.234	.446	.671	.649	.660	.633
78	THIGH CLEARANCE	.372	.344	.301	.342	.401	.385	.567	.505	.489	.498
79	SHOULDER LENGTH	.249	.282	.282	.312	.362	.136	.316	.226	.147	.166
80	NECK-BUST POINT L	.223	.151	.208	.194	.219	.332	.515	.550	.642	.484
81	STRAP LENGTH	.253	.185	.243	.227	.264	.452	.613	.630	.700	.556
82	INTERSCYE	.159	.119	.223	.159	.173	.368	.662	.621	.574	.548
83	INTERSCYE, MAXIMUM	.261	.256	.278	.279	.297	.394	.573	.565	.498	.504
84	BACK CURVATURE	.269	.137	.225	.195	.212	.389	.649	.633	.625	.652
85	WAIST BACK	.329	.305	.338	.316	.468	.209	.172	.122	.114	.162
86	ANTERIOR WAIST LTH	.257	.214	.250	.245	.367	.271	.388	.367	.397	.386
87	SLEEVE INSEAM	.730	.788	.679	.634	.750	.213	.160	.100	.072	.101
88	SPINE-TO-SCYE LGTH	.178	.150	.243	.175	.197	.259	.490	.475	.422	.411
89	SPINE-TO-ELBOW LTH	.713	.548	.598	.549	.667	.350	.533	.459	.399	.419
90	SPINE-TO-WRIST LTH	.768	.732	.689	.640	.765	.381	.490	.419	.363	.392

TABLE XXIV

THE CORRELATION MATRIX FOR AGE AND FULL SAMPLE VARIABLES

		31	32	33	34	35	36	37	38	39	40
91	HAND LENGTH	.573	.462	.523	.455	.566	.187	.289	.223	.191	.223
92	HAND BREADTH	.329	.307	.354	.308	.354	.365	.355	.327	.287	.313
93	HAND CIRCUMFERENCE	.309	.298	.345	.284	.338	.351	.424	.421	.367	.379
94	FOOT LENGTH	.578	.589	.591	.533	.660	.324	.343	.305	.277	.304
95	FOOT BREADTH	.276	.313	.327	.315	.371	.265	.287	.257	.206	.243
96	HEAD LENGTH	.268	.219	.220	.244	.278	.179	.248	.208	.204	.204
97	HEAD BREADTH	.109	.093	.137	.085	.115	.278	.252	.240	.255	.262
98	HEAD CIRCUMFERENCE	.272	.295	.273	.310	.328	.335	.330	.282	.273	.273
99	TRAGION-TOP HEAD	.149	.182	.215	.182	.232	.180	.153	.150	.142	.144
100	ECTOANTHUS-TOP HD	.149	.202	.197	.168	.217	.125	.120	.102	.083	.094
101	PRONASALE-TOP HEAD	.161	.187	.189	.156	.206	.087	.110	.087	.063	.076
102	SUBNASALE-TOP HEAD	.187	.232	.222	.198	.265	.159	.140	.113	.083	.101
103	STOMION-TOP HEAD	.195	.243	.235	.196	.269	.145	.138	.106	.080	.094
104	MENTON-TOP HEAD	.249	.286	.292	.250	.329	.237	.206	.166	.134	.154
105	TRAGION TO WALL	.140	.217	.186	.203	.202	.183	.167	.163	.165	.138
106	ECTOANTHUS-WALL	.194	.252	.235	.262	.278	.264	.239	.227	.213	.197
107	PRONASALE TO WALL	.236	.280	.270	.278	.305	.262	.284	.277	.264	.244
108	SUBNASALE TO WALL	.202	.264	.240	.261	.283	.250	.261	.246	.236	.212
109	LIP PROTRUSION-WALL	.169	.231	.208	.232	.231	.216	.233	.221	.214	.187
110	MENTON TO WALL	.133	.166	.170	.172	.162	.213	.291	.299	.287	.263
111	SAGITTAL CURVATURE	.156	.223	.162	.230	.240	.312	.189	.188	.152	.153
112	BITRAGION-CORONAL	.185	.179	.181	.187	.213	.229	.235	.207	.213	.204
113	BIOCLAR BREADTH	.188	.165	.161	.104	.140	.044	.182	.155	.153	.166
114	BIAURICULAR BREADTH	.104	.097	.107	.125	.136	.065	.206	.182	.159	.200
115	BITRAGION BREADTH	.206	.175	.210	.176	.211	.367	.362	.347	.309	.340
116	BIZYGOMATIC BREADTH	.188	.136	.177	.088	.152	.317	.313	.277	.273	.299
117	BIGONIAL BREADTH	.144	.065	.134	.072	.094	.202	.327	.306	.306	.325
118	NASAL BREADTH	.080	.175	.138	.123	.095	.217	.109	.083	.067	.053
119	LIP LENGTH	.099	.105	.091	.038	.062	.130	.085	.063	.063	.060
120	MENTON-SUBNASALE L	.148	.157	.142	.158	.179	.114	.159	.129	.128	.116
121	MENTON-SELLION LTH	.205	.193	.217	.216	.222	.206	.217	.182	.176	.184
122	SUBNASALE-SELLION	.131	.124	.157	.151	.145	.163	.134	.135	.126	.145
123	EAR LENGTH	.169	.157	.148	.156	.159	.185	.248	.277	.266	.251
124	EAR BREADTH	.104	.137	.114	.111	.130	.052	.127	.126	.110	.104
125	GRIP STRENGTH	.244	.230	.248	.263	.292	.259	.380	.341	.281	.294
139	STATURE-REPORTED	.724	.652	.648	.616	.846	.332	.364	.316	.287	.318
140	WEIGHT-REPORTED	.458	.388	.435	.424	.493	.569	.815	.785	.780	.772

TABLE XXIV

THE CORRELATION MATRIX FOR AGE AND FULL SAMPLE VARIABLES

		41	42	43	44	45	46	47	48	49	50
1	AGE	.234	.296	.230	.219	.155	.145	.047	.061	-.023	.272
2	WEIGHT	.824	.794	.892	.886	.840	.819	.752	.747	.591	.787
3	TRICEPS SKINFOLD	.542	.588	.614	.612	.630	.564	.488	.481	.320	.411
4	SUBSCAPULAR SKINFOLD	.646	.628	.579	.529	.523	.410	.343	.333	.176	.375
5	SUPRAILIAAC SKINFOLD	.641	.609	.578	.543	.566	.444	.375	.360	.226	.357
6	MEDIAL CALF SKINFOLD	.289	.337	.377	.397	.422	.454	.435	.430	.318	.242
7	STATURE	.279	.245	.355	.360	.266	.386	.296	.300	.354	.619
8	STATURE, MAXIMUM	.277	.243	.352	.360	.265	.386	.294	.298	.354	.619
9	CERVICAL HEIGHT	.293	.246	.353	.365	.274	.391	.290	.292	.348	.612
10	ACROMIAL HEIGHT	.313	.267	.370	.375	.283	.393	.292	.295	.343	.638
11	SUPRASTERNAL HEIGHT	.298	.249	.362	.373	.281	.402	.301	.304	.355	.617
12	BUST POINT HEIGHT	.216	.170	.286	.289	.210	.330	.244	.248	.310	.542
13	WAIST HEIGHT	.238	.215	.317	.336	.252	.353	.247	.249	.287	.501
14	ABDOMINAL EXTENSION HT	.192	.111	.253	.266	.199	.301	.215	.217	.264	.425
15	TROCHANTERIC HEIGHT	.255	.185	.286	.290	.219	.318	.245	.250	.258	.437
16	BUTTOCK HEIGHT	.274	.214	.306	.284	.235	.330	.221	.228	.248	.399
17	GLUTEAL FURROW HGT	.189	.133	.208	.182	.148	.235	.156	.162	.198	.325
18	TIBIAL HEIGHT	.204	.161	.244	.251	.204	.292	.200	.196	.281	.364
19	CROTCH HEIGHT	.221	.147	.236	.246	.192	.298	.203	.206	.244	.365
20	ANKLE HEIGHT	.120	.077	.076	.095	.035	.110	.011	.001	.096	.186
21	LAT'L MALLEOLUS HT	.116	.101	.152	.134	.123	.225	.184	.178	.211	.241
22	SITTING HT, RELAXED	.212	.226	.315	.355	.242	.340	.286	.286	.348	.678
23	SITTING HEIGHT	.236	.246	.345	.383	.269	.366	.312	.313	.377	.706
24	EYE HEIGHT, SITTING	.205	.242	.327	.363	.256	.343	.285	.289	.344	.671
25	MIDSHOULDER HT, SIT	.297	.296	.381	.406	.305	.373	.300	.302	.364	.751
26	WAIST HGT, SITTING	.201	.311	.330	.379	.309	.296	.220	.225	.240	.490
27	ELBOW REST HEIGHT	.065	.121	.146	.175	.143	.156	.108	.105	.166	.429
28	POPLITEAL HEIGHT	.186	.124	.209	.201	.168	.246	.193	.196	.224	.297
29	BUTTOCK-POPLIT'L L	.389	.349	.479	.477	.423	.438	.306	.309	.251	.441
30	BUTTOCK-KNEE LENGTH	.474	.425	.577	.583	.513	.555	.447	.446	.384	.558
31	ACROMION-RADIAL L	.280	.220	.296	.285	.214	.270	.222	.224	.214	.408
32	RADIAL-STYLION L	.212	.152	.254	.249	.178	.275	.175	.176	.224	.348
33	THUMB-TIP REACH	.292	.229	.290	.284	.219	.305	.250	.246	.254	.389
34	THUMB-TIP, EXTENDED	.273	.209	.300	.304	.239	.308	.264	.276	.251	.425
35	OVERHEAD REACH	.269	.204	.314	.321	.223	.341	.289	.293	.314	.531
36	NECK CIRCUMFERENCE	.538	.447	.498	.473	.417	.436	.395	.389	.343	.485
37	SHOULDER CIRCUMFERENCE	.775	.703	.744	.717	.684	.600	.567	.558	.415	.606
38	CHEST CIRC AT SCYE	.788	.715	.723	.686	.641	.569	.517	.504	.371	.635
39	BUST CIRCUMFERENCE	.796	.737	.722	.674	.642	.557	.489	.477	.340	.623
40	CHEST C BELOW BUST	.792	.718	.706	.661	.624	.558	.520	.514	.384	.602
41	WAIST CIRCUMFERENCE		.810	.800	.722	.683	.603	.528	.518	.377	.600
42	ABDOMINAL EXT CIRC		.810	.828	.764	.716	.609	.517	.516	.356	.597
43	HIP C-7" BLW WAIST		.800	.828	.939	.865	.754	.672	.671	.492	.696
44	HIP C-9" BLW WAIST		.722	.764	.939	.894	.784	.698	.695	.517	.717
45	UPPER THIGH CIRCUM		.683	.716	.865	.894	.780	.709	.702	.498	.619

TABLE XXIV

THE CORRELATION MATRIX FOR AGE AND FULL SAMPLE VARIABLES

	41	42	43	44	45	46	47	48	49	50
46 KNEE CIRCUMFERENCE	.603	.609	.754	.784	.780		.792	.778	.658	.632
47 CALF CIRCUM, RIGHT	.528	.517	.672	.698	.709	.792		.962	.746	.549
48 CALF CIRCUM, LEFT	.518	.516	.671	.695	.702	.778	.962		.736	.544
49 ANKLE CIRCUMFERNCE	.377	.356	.492	.517	.498	.658	.746	.736		.477
50 VERTICAL TRUNK CIR	.600	.597	.696	.717	.619	.632	.549	.544	.477	
51 VERT TRUNK CIR,SIT	.551	.544	.640	.658	.545	.571	.486	.481	.454	.930
52 BUTTOCK CIRC, SIT	.775	.802	.933	.940	.851	.771	.671	.667	.491	.737
53 SCYE CIRCUMFERENCE	.714	.663	.688	.661	.612	.571	.508	.499	.395	.654
54 AXILLARY ARM CIRC	.756	.740	.754	.729	.722	.621	.566	.554	.378	.593
55 BICEPS CIR,RELAX,R	.721	.728	.763	.748	.753	.687	.643	.638	.447	.579
56 BICEPS CIR, FLEX,R	.714	.713	.756	.739	.744	.687	.643	.639	.452	.569
57 BICEPS CIR,RELAX,L	.734	.742	.771	.758	.757	.691	.649	.643	.440	.577
58 BICEPS CIR, FLEX,L	.724	.724	.763	.748	.747	.694	.646	.643	.450	.583
59 ELBOW CIRC, FLEXED	.460	.386	.466	.453	.415	.485	.407	.408	.395	.481
60 FOREARM CIR, RELAX	.683	.618	.710	.691	.675	.721	.687	.677	.582	.591
61 FOREARM CIR,FLEXED	.653	.586	.680	.665	.652	.692	.667	.661	.562	.569
62 WRIST CIRCUMFERNCE	.501	.413	.506	.493	.434	.576	.532	.523	.599	.532
63 BIACROMIAL BREADTH	.382	.314	.382	.396	.320	.357	.348	.350	.336	.417
64 BIDELOID BREADTH	.739	.679	.725	.710	.674	.597	.553	.541	.411	.591
65 CHEST BREADTH	.683	.627	.634	.592	.546	.486	.453	.448	.336	.548
66 BUSTPT-BUSTPT BRTH	.569	.515	.510	.473	.464	.403	.361	.358	.257	.426
67 WAIST BREADTH	.886	.699	.721	.668	.622	.568	.503	.491	.377	.566
68 HIP BREADTH	.600	.665	.836	.893	.795	.699	.629	.624	.470	.630
69 THIGH-THIGH BR,SIT	.634	.720	.843	.890	.843	.725	.639	.640	.438	.628
70 HUMERAL BREADTH, R	.364	.319	.415	.413	.357	.473	.424	.414	.455	.481
71 HUMERAL BREADTH, L	.374	.321	.417	.414	.360	.481	.427	.421	.461	.485
72 FEMORAL BREADTH, R	.341	.337	.399	.407	.386	.524	.424	.404	.410	.384
73 FEMORAL BREADTH, L	.365	.361	.427	.433	.410	.547	.451	.436	.426	.404
74 CHEST DEPTH	.737	.697	.677	.628	.602	.524	.447	.440	.300	.558
75 WAIST DEPTH	.845	.748	.695	.635	.595	.539	.446	.439	.297	.541
76 ABDOMINAL EXT DPTH	.814	.822	.777	.719	.689	.608	.519	.512	.334	.576
77 BUTTOCK DEPTH	.707	.706	.820	.809	.795	.689	.624	.619	.437	.626
78 THIGH CLEARANCE	.511	.489	.621	.636	.669	.643	.599	.587	.469	.515
79 SHOULDER LENGTH	.159	.136	.180	.215	.165	.197	.211	.210	.224	.234
80 NECK-BUST POINT L	.537	.525	.503	.499	.445	.404	.337	.333	.257	.482
81 STRAP LENGTH	.616	.580	.576	.558	.497	.464	.398	.397	.297	.549
82 INTERSCYE	.529	.480	.482	.448	.405	.367	.341	.337	.253	.376
83 INTERSCYE, MAXIMUM	.484	.464	.478	.471	.418	.403	.344	.340	.304	.425
84 BACK CURVATURE	.595	.546	.555	.516	.471	.431	.415	.408	.296	.446
85 WAIST BACK	.181	.094	.186	.189	.115	.231	.216	.219	.284	.469
86 ANTERIOR WAIST LTH	.388	.305	.352	.332	.292	.340	.299	.293	.297	.557
87 SLEEVE INSEAM	.121	.050	.150	.155	.090	.195	.139	.140	.198	.257
88 SPINE-TO-SCYE LGTH	.366	.336	.352	.335	.307	.309	.267	.259	.231	.321
89 SPINE-TO-ELBOW LTH	.383	.341	.419	.424	.345	.398	.361	.358	.331	.474
90 SPINE-TO-WRIST LTH	.369	.303	.404	.403	.322	.397	.337	.335	.335	.475

TABLE XXIV

THE CORRELATION MATRIX FOR AGE AND FULL SAMPLE VARIABLES

		41	42	43	44	45	46	47	48	49	50
91	HAND LENGTH	.216	.143	.230	.218	.162	.262	.233	.236	.276	.332
92	HAND BREADTH	.272	.233	.282	.274	.239	.325	.321	.321	.374	.334
93	HAND CIRCUMFERENCE	.368	.284	.353	.342	.315	.413	.392	.390	.448	.416
94	FOOT LENGTH	.320	.230	.348	.351	.267	.404	.357	.354	.434	.457
95	FOOT BREADTH	.259	.197	.295	.297	.255	.355	.378	.372	.412	.322
96	HEAD LENGTH	.149	.125	.200	.214	.189	.210	.209	.217	.199	.249
97	HEAD BREADTH	.267	.263	.249	.238	.228	.238	.205	.202	.170	.200
98	HEAD CIRCUMFERENCE	.281	.222	.297	.310	.272	.322	.290	.299	.270	.322
99	TRAGION-TOP HEAD	.142	.113	.150	.154	.123	.182	.164	.162	.151	.196
100	ECTOCANTHUS-TOP HD	.075	.036	.083	.101	.074	.140	.131	.124	.134	.160
101	PRONASALE-TOP HEAD	.034	.015	.063	.085	.059	.128	.106	.100	.127	.149
102	SUBNASALE-TOP HEAD	.067	.035	.094	.114	.072	.156	.139	.133	.163	.192
103	STOMION-TOP HEAD	.062	.016	.088	.110	.077	.164	.144	.137	.169	.180
104	MENTON-TOP HEAD	.134	.074	.162	.176	.136	.222	.202	.196	.221	.255
105	TRAGION TO WALL	.150	.094	.165	.160	.134	.160	.126	.126	.113	.192
106	ECTOCANTHUS-WALL	.207	.146	.226	.227	.189	.218	.195	.200	.177	.262
107	PRONASALE TO WALL	.235	.178	.266	.264	.231	.264	.244	.250	.240	.306
108	SUBNASALE TO WALL	.229	.154	.241	.234	.214	.237	.215	.220	.205	.248
109	LIP PROTRUSION-WALL	.213	.125	.209	.195	.187	.199	.180	.186	.159	.192
110	MENTON TO WALL	.280	.214	.267	.247	.241	.222	.196	.199	.160	.214
111	SAGITTAL CURVATURE	.127	.113	.159	.190	.137	.182	.159	.170	.176	.276
112	BITRAGION-CORONAL	.224	.181	.214	.212	.194	.231	.198	.212	.180	.215
113	BIOCLAR BREADTH	.164	.117	.161	.147	.154	.199	.152	.148	.164	.105
114	BIAURICULAR BRDTH	.193	.165	.174	.184	.156	.193	.163	.158	.154	.195
115	BITRAGION BREADTH	.353	.317	.329	.321	.281	.333	.288	.285	.267	.300
116	BIZYGOMATIC BRDTH	.310	.291	.290	.269	.269	.310	.245	.237	.236	.199
117	BIGONIAL BREADTH	.303	.289	.279	.257	.287	.289	.241	.232	.207	.211
118	NASAL BREADTH	.101	-.001	.051	.023	.035	.073	.043	.050	.059	.001
119	LIP LENGTH	.050	.012	.027	.005	.026	.039	.025	.031	.042	-.008
120	MENTON-SUBNASALE L	.139	.087	.144	.141	.129	.165	.148	.146	.141	.169
121	MENTON-SELLION LTH	.174	.129	.181	.180	.142	.196	.154	.155	.165	.245
122	SUBNASALE-SELLION	.110	.087	.117	.118	.074	.137	.084	.091	.105	.187
123	EAR LENGTH	.249	.234	.242	.229	.180	.209	.166	.173	.171	.269
124	EAR BREADTH	.106	.072	.106	.101	.079	.124	.097	.101	.091	.124
125	GRIP STRENGTH	.258	.196	.257	.257	.239	.259	.266	.269	.263	.291
139	STATURE-REPORTED	.306	.264	.373	.385	.288	.406	.322	.325	.368	.621
140	WEIGHT-REPORTED	.801	.773	.866	.861	.810	.796	.720	.715	.573	.783

TABLE XXIV

THE CORRELATION MATRIX FOR AGE AND FULL SAMPLE VARIABLES

		51	52	53	54	55	56	57	58	59	60
1	AGE	.235	.277	.262	.238	.288	.293	.298	.307	.131	.194
2	WEIGHT	.737	.904	.776	.793	.803	.805	.806	.805	.572	.808
3	TRICEPS SKINFOLD	.354	.597	.495	.667	.717	.692	.709	.685	.301	.559
4	SUBSCAPULAR SKINFOLD	.323	.549	.533	.681	.632	.606	.634	.608	.280	.484
5	SUPRAILIAAC SKINFOLD	.327	.551	.487	.637	.585	.565	.582	.564	.299	.479
6	MEDIAL CALF SKINFOLD	.194	.378	.241	.350	.425	.402	.428	.413	.182	.336
7	STATURE	.679	.380	.365	.164	.141	.163	.136	.156	.411	.309
8	STATURE, MAXIMUM	.681	.381	.365	.165	.140	.162	.135	.154	.411	.308
9	CERVICAL HEIGHT	.674	.388	.374	.174	.149	.170	.144	.165	.416	.315
10	ACROMIAL HEIGHT	.696	.404	.408	.184	.167	.189	.165	.183	.425	.333
11	SUPRASTERNAL HEIGHT	.672	.399	.386	.191	.170	.193	.164	.184	.430	.338
12	BUST POINT HEIGHT	.601	.310	.306	.107	.086	.104	.089	.105	.381	.263
13	WAIST HEIGHT	.561	.361	.342	.146	.120	.139	.122	.139	.383	.275
14	ABDOMINAL EXTENSION HT	.490	.282	.285	.083	.060	.087	.058	.081	.370	.236
15	TROCHANTERIC HEIGHT	.481	.322	.319	.114	.108	.127	.108	.122	.389	.267
16	BUTTOCK HEIGHT	.457	.322	.324	.145	.116	.142	.115	.136	.375	.262
17	GLUTEAL FURROW HEIGHT	.387	.209	.253	.060	.034	.054	.034	.054	.331	.191
18	TIBIAL HEIGHT	.417	.269	.279	.106	.070	.092	.074	.097	.347	.233
19	CROTCH HEIGHT	.420	.274	.288	.096	.074	.096	.073	.092	.366	.238
20	ANKLE HEIGHT	.204	.107	.160	.092	.034	.036	.046	.058	.161	.103
21	LAT'L MALLEOLUS HT	.275	.142	.166	.102	.083	.098	.074	.092	.217	.171
22	SITTING HT, RELAXED	.741	.361	.317	.183	.155	.167	.144	.155	.307	.272
23	SITTING HEIGHT	.770	.385	.338	.201	.175	.186	.164	.176	.329	.298
24	EYE HEIGHT, SITTING	.731	.367	.320	.191	.162	.174	.150	.163	.296	.264
25	MIDSHOULDER HT, SIT	.818	.416	.393	.241	.220	.231	.216	.225	.326	.327
26	WAIST HEIGHT, SITTING	.534	.381	.325	.275	.235	.231	.236	.227	.218	.241
27	ELBOW REST HEIGHT	.480	.163	.116	.076	.088	.091	.074	.076	.062	.086
28	POPLITEAL HEIGHT	.351	.226	.241	.079	.058	.084	.051	.075	.324	.221
29	BUTTOCK-POPLIT'L L	.435	.484	.390	.298	.294	.310	.298	.308	.357	.348
30	BUTTOCK-KNEE LENGTH	.556	.593	.484	.375	.382	.398	.380	.393	.460	.469
31	ACROMION-RADIAL L	.450	.319	.373	.150	.109	.133	.114	.127	.349	.256
32	RADIAL-STYLION L	.369	.270	.277	.105	.077	.103	.094	.111	.348	.222
33	THUMB-TIP REACH	.414	.308	.330	.181	.162	.175	.166	.170	.333	.276
34	THUMB-TIP, EXTENDED	.445	.321	.325	.181	.159	.175	.173	.181	.341	.289
35	OVERHEAD REACH	.583	.346	.347	.153	.133	.152	.140	.156	.419	.311
36	NECK CIRCUMFERENCE	.469	.505	.511	.498	.463	.469	.490	.491	.379	.522
37	SHOULDER CIRCUMFERENCE	.564	.736	.741	.801	.758	.764	.764	.760	.510	.749
38	CHEST CIRC AT SCYE	.587	.723	.757	.802	.746	.737	.750	.752	.503	.711
39	BUST CIRCUMFERENCE	.570	.719	.714	.776	.729	.717	.728	.727	.453	.660
40	CHEST C BELOW BUST	.551	.705	.697	.708	.698	.695	.701	.693	.452	.664
41	WAIST CIRCUMFERENCE	.551	.775	.714	.756	.721	.714	.734	.724	.460	.683
42	ABDOMINAL EXT CIRC	.544	.802	.663	.740	.728	.713	.742	.724	.386	.618
43	HIP C-7" BLW WAIST	.640	.933	.688	.754	.763	.756	.771	.763	.466	.710
44	HIP C-9" BLW WAIST	.658	.940	.661	.729	.748	.739	.758	.748	.453	.691
45	UPPER THIGH CIRCUM	.545	.851	.612	.722	.753	.744	.757	.747	.415	.675

TABLE XXIV

THE CORRELATION MATRIX FOR AGE AND FULL SAMPLE VARIABLES

	51	52	53	54	55	56	57	58	59	60
46 KNEE CIRCUMFERENCE	.571	.771	.571	.621	.687	.687	.691	.694	.485	.721
47 CALF CIRCUM, RIGHT	.486	.671	.508	.566	.643	.643	.649	.646	.407	.687
48 CALF CIRCUM, LEFT	.481	.667	.499	.554	.638	.639	.643	.643	.408	.677
49 ANKLE CIRCUMFERNCE	.454	.491	.395	.378	.447	.452	.440	.450	.395	.582
50 VERTICAL TRUNK CIR	.930	.737	.654	.593	.579	.569	.577	.583	.481	.591
51 VERT TRUNK CIR,SIT		.681	.610	.522	.495	.491	.491	.498	.459	.532
52 BUTTOCK CIRC, SIT	.681		.693	.739	.753	.746	.765	.760	.480	.701
53 SCYE CIRCUMFERENCE	.610	.693		.808	.739	.734	.720	.723	.537	.726
54 AXILLARY ARM CIRC	.522	.739	.808		.891	.869	.872	.865	.477	.763
55 BICEPS CIR,RELAX,R	.495	.753	.739	.891		.970	.952	.943	.515	.820
56 BICEPS CIR, FLEX,R	.491	.746	.734	.869	.970		.942	.947	.553	.834
57 BICEPS CIR,RELAX,L	.491	.765	.720	.872	.952	.942		.975	.494	.799
58 BICEPS CIR, FLEX,L	.498	.760	.723	.865	.943	.947	.975		.538	.802
59 ELBOW CIRC, FLEXED	.459	.480	.537	.477	.515	.553	.494	.538		.643
60 FOREARM CIR, RELAX	.532	.701	.726	.763	.820	.834	.799	.802	.643	
61 FOREARM CIR,FLEXED	.514	.676	.703	.732	.792	.813	.769	.784	.754	.930
62 WRIST CIRCUMFERNCE	.524	.506	.580	.499	.506	.532	.480	.497	.560	.702
63 BIACROMIAL BREADTH	.416	.402	.370	.351	.303	.315	.319	.335	.361	.415
64 BIDELOID BREADTH	.546	.717	.708	.784	.736	.737	.752	.746	.478	.712
65 CHEST BREADTH	.510	.627	.617	.627	.609	.609	.614	.610	.401	.598
66 BUSTPT-BUSTPT BRTH	.391	.516	.492	.529	.501	.504	.503	.503	.339	.479
67 WAIST BREADTH	.534	.708	.659	.668	.641	.634	.645	.644	.439	.638
68 HIP BREADTH	.594	.844	.549	.607	.637	.622	.647	.638	.380	.577
69 THIGH-THIGH BR,SIT	.576	.873	.566	.659	.703	.683	.713	.700	.346	.589
70 HUMERAL BREADTH, R	.494	.419	.465	.370	.394	.419	.375	.401	.482	.580
71 HUMERAL BREADTH, L	.495	.421	.475	.371	.406	.435	.396	.424	.501	.580
72 FEMORAL BREADTH, R	.383	.414	.372	.332	.358	.369	.341	.359	.342	.434
73 FEMORAL BREADTH, L	.401	.440	.397	.350	.381	.393	.368	.384	.356	.461
74 CHEST DEPTH	.510	.671	.647	.702	.678	.673	.674	.663	.388	.595
75 WAIST DEPTH	.482	.712	.634	.682	.661	.653	.664	.654	.389	.593
76 ABDOMINAL EXT DPTH	.506	.782	.647	.717	.716	.701	.721	.707	.376	.616
77 BUTTOCK DEPTH	.546	.814	.627	.706	.712	.705	.718	.703	.416	.651
78 THIGH CLEARANCE	.470	.618	.525	.532	.545	.561	.537	.540	.433	.575
79 SHOULDER LENGTH	.247	.197	.137	.141	.110	.109	.111	.119	.204	.197
80 NECK-BUST POINT L	.455	.531	.493	.502	.475	.477	.462	.470	.290	.423
81 STRAP LENGTH	.519	.593	.568	.576	.548	.553	.547	.551	.359	.512
82 INTERSCYE	.364	.473	.446	.479	.457	.455	.460	.461	.301	.456
83 INTERSCYE, MAXIMUM	.435	.489	.490	.456	.419	.433	.420	.427	.324	.454
84 BACK CURVATURE	.442	.539	.528	.527	.508	.513	.512	.501	.317	.506
85 WAIST BACK	.533	.188	.186	.066	.073	.090	.062	.074	.252	.208
86 ANTERIOR WAIST LTH	.533	.348	.364	.332	.309	.319	.297	.307	.308	.349
87 SLEEVE INSEAM	.305	.169	.151	-.019	-.055	-.029	-.027	-.022	.275	.131
88 SPINE-TO-SCYE LGTH	.329	.364	.367	.352	.333	.336	.322	.334	.263	.372
89 SPINE-TO-ELBOW LTH	.506	.443	.444	.316	.277	.295	.286	.289	.381	.415
90 SPINE-TO-WRIST LTH	.508	.426	.441	.274	.237	.261	.249	.258	.429	.410

TABLE XXIV

THE CORRELATION MATRIX FOR AGE AND FULL SAMPLE VARIABLES

		51	52	53	54	55	56	57	58	59	60
91	HAND LENGTH	.367	.243	.291	.105	.113	.155	.090	.116	.370	.307
92	HAND BREADTH	.337	.297	.378	.260	.271	.307	.245	.272	.362	.435
93	HAND CIRCUMFERENCE	.401	.358	.494	.391	.390	.424	.347	.385	.480	.566
94	FOOT LENGTH	.490	.376	.367	.186	.183	.208	.185	.204	.414	.380
95	FOOT BREADTH	.315	.305	.296	.203	.212	.232	.217	.229	.327	.362
96	HEAD LENGTH	.243	.220	.191	.143	.164	.179	.157	.168	.238	.241
97	HEAD BREADTH	.187	.244	.218	.227	.218	.213	.215	.213	.132	.238
98	HEAD CIRCUMFERENCE	.296	.315	.258	.227	.233	.245	.241	.241	.260	.327
99	TRAGION-TOP HEAD	.186	.162	.153	.101	.123	.119	.112	.108	.164	.160
100	ECTOCANTHUS-TOP HD	.143	.102	.110	.047	.076	.084	.072	.072	.168	.133
101	PRONASALE-TOP HEAD	.143	.083	.096	.030	.056	.068	.058	.059	.149	.118
102	SUBNASALE-TOP HEAD	.184	.111	.118	.053	.070	.080	.075	.073	.170	.146
103	STOMION-TOP HEAD	.172	.111	.117	.042	.062	.075	.064	.065	.190	.152
104	MENTON-TOP HEAD	.241	.181	.181	.098	.115	.131	.117	.118	.237	.227
105	TRAGION TO WALL	.173	.162	.171	.142	.130	.132	.136	.139	.151	.173
106	ECTOCANTHUS-WALL	.235	.233	.225	.189	.191	.194	.196	.197	.217	.259
107	PRONASALE TO WALL	.278	.276	.259	.213	.225	.231	.222	.228	.265	.301
108	SUBNASALE TO WALL	.223	.243	.231	.197	.201	.205	.197	.203	.236	.276
109	LIP PROTRUSION-WALL	.166	.208	.203	.176	.178	.183	.170	.179	.210	.241
110	MENTON TO WALL	.186	.263	.259	.255	.251	.245	.245	.249	.217	.286
111	SAGITTAL CURVATURE	.267	.190	.177	.133	.128	.132	.133	.133	.178	.189
112	BITRAGION-CORONAL	.213	.226	.199	.171	.188	.197	.191	.186	.179	.240
113	BIOCLAR BREADTH	.111	.164	.150	.108	.141	.161	.122	.140	.194	.212
114	BIAURICULAR BROTH	.185	.189	.165	.143	.155	.151	.154	.141	.121	.192
115	BITRAGION BREADTH	.286	.331	.312	.295	.302	.308	.301	.301	.240	.360
116	BIZYGOMATIC BROTH	.196	.276	.259	.259	.255	.270	.252	.256	.230	.315
117	BIGONIAL BREADTH	.192	.284	.266	.285	.284	.299	.270	.280	.197	.322
118	NASAL BREADTH	-.031	.048	.075	.054	.049	.073	.049	.066	.138	.137
119	LIP LENGTH	-.015	.038	.044	.018	.014	.035	-.002	.019	.074	.066
120	MENTON-SUBNASALE L	.153	.156	.152	.100	.121	.137	.115	.121	.172	.184
121	MENTON-SELLION LTH	.234	.203	.182	.135	.138	.162	.143	.158	.212	.219
122	SUBNASALE-SELLION	.182	.131	.104	.084	.095	.108	.099	.107	.117	.142
123	EAR LENGTH	.240	.250	.249	.230	.246	.249	.252	.259	.214	.229
124	EAR BREADTH	.114	.115	.112	.089	.101	.110	.103	.107	.129	.124
125	GRIP STRENGTH	.293	.263	.358	.279	.284	.321	.268	.296	.351	.424
139	STATURE-REPORTED	.677	.407	.393	.203	.178	.200	.173	.193	.421	.338
140	WEIGHT-REPORTED	.739	.878	.759	.766	.774	.778	.777	.777	.559	.781

TABLE XXIV

THE CORRELATION MATRIX FOR AGE AND FULL SAMPLE VARIABLES

		61	62	63	64	65	66	67	68	69	70
1	AGE	.175	.102	.149	.227	.231	.158	.146	.194	.273	.137
2	WEIGHT	.779	.646	.495	.798	.701	.586	.768	.770	.783	.538
3	TRICEPS SKINFOLD	.537	.308	.149	.529	.402	.357	.469	.530	.591	.202
4	SUBSCAPULAR SKINFOLD	.466	.273	.156	.556	.472	.415	.535	.425	.476	.118
5	SUPRAILIAC SKINFOLD	.472	.312	.140	.530	.423	.440	.573	.444	.480	.197
6	MEDIAL CALF SKINFOLD	.322	.179	.031	.254	.186	.158	.263	.364	.414	.098
7	STATURE	.307	.453	.456	.302	.278	.211	.329	.348	.239	.486
8	STATURE, MAXIMUM	.307	.455	.456	.301	.280	.210	.331	.348	.241	.488
9	CERVICAL HEIGHT	.315	.450	.452	.304	.276	.215	.343	.349	.247	.483
10	ACROMIAL HEIGHT	.327	.452	.417	.322	.314	.235	.359	.350	.256	.484
11	SUPRASTERNAL HEIGHT	.335	.462	.454	.318	.291	.239	.344	.350	.247	.496
12	BUST POINT HEIGHT	.262	.395	.412	.241	.232	.154	.266	.276	.170	.438
13	WAIST HEIGHT	.272	.398	.409	.273	.242	.211	.293	.318	.212	.442
14	ABDOMINAL EXTENSION HT	.242	.367	.386	.219	.196	.179	.256	.253	.136	.428
15	TROCHANTERIC HEIGHT	.264	.366	.401	.252	.228	.196	.295	.276	.175	.396
16	BUTTOCK HEIGHT	.265	.371	.363	.264	.231	.213	.320	.251	.168	.385
17	GLUTEAL FURROW HGT	.197	.298	.341	.182	.166	.150	.241	.175	.070	.345
18	TIBIAL HEIGHT	.242	.349	.361	.239	.194	.176	.255	.237	.134	.385
19	CROTCH HEIGHT	.241	.358	.380	.223	.208	.181	.277	.225	.130	.392
20	ANKLE HEIGHT	.103	.182	.188	.136	.075	.045	.145	.091	.041	.154
21	LAT'L MALLEOLUS HT	.168	.265	.161	.124	.105	.119	.122	.102	.070	.303
22	SITTING HT, RELAXED	.266	.401	.374	.270	.248	.162	.259	.355	.283	.416
23	SITTING HEIGHT	.291	.427	.384	.289	.277	.167	.277	.379	.309	.440
24	EYE HEIGHT, SITTING	.260	.398	.339	.266	.275	.160	.234	.371	.303	.418
25	MIDSHOULDER HT, SIT	.310	.407	.323	.315	.294	.161	.338	.386	.340	.399
26	WAIST HGT, SITTING	.231	.265	.198	.275	.273	.167	.158	.359	.353	.275
27	ELBOW REST HEIGHT	.083	.122	-.083	.064	.107	.008	.080	.187	.203	.144
28	POPLITEAL HEIGHT	.223	.353	.327	.206	.155	.168	.249	.181	.085	.357
29	BUTTOCK-POPLIT'L L	.341	.339	.344	.369	.320	.278	.376	.426	.355	.359
30	BUTTOCK-KNEE LENGTH	.461	.460	.423	.460	.395	.338	.469	.527	.450	.451
31	ACROMION-RADIAL L	.257	.378	.357	.280	.268	.243	.302	.266	.178	.376
32	RADIAL-STYLION L	.225	.342	.366	.219	.193	.160	.238	.226	.126	.336
33	THUMB-TIP REACH	.277	.389	.369	.288	.192	.201	.342	.252	.173	.353
34	THUMB-TIP, EXTENDED	.280	.366	.376	.281	.280	.188	.281	.302	.231	.365
35	OVERHEAD REACH	.313	.421	.460	.306	.277	.210	.310	.313	.210	.436
36	NECK CIRCUMFERENCE	.494	.444	.388	.528	.462	.340	.508	.396	.390	.335
37	SHOULDER CIRCUMFERENCE	.722	.566	.581	.890	.769	.560	.719	.606	.615	.455
38	CHEST CIRC AT SCYE	.689	.532	.474	.828	.766	.581	.715	.570	.594	.421
39	BUST CIRCUMFERENCE	.636	.485	.370	.758	.734	.720	.706	.551	.600	.387
40	CHEST C BELOW BUST	.636	.503	.397	.742	.750	.558	.728	.541	.575	.408
41	WAIST CIRCUMFERENCE	.653	.501	.382	.739	.683	.569	.886	.600	.634	.364
42	ABDOMINAL EXT CIRC	.586	.413	.314	.679	.627	.515	.699	.665	.720	.319
43	HIP C-7" BLW WAIST	.680	.506	.382	.725	.634	.510	.721	.836	.843	.415
44	HIP C-9" BLW WAIST	.665	.493	.396	.710	.592	.473	.668	.893	.890	.413
45	UPPER THIGH CIRCUM	.652	.434	.320	.674	.546	.464	.622	.795	.843	.357

TABLE XXIV

THE CORRELATION MATRIX FOR AGE AND FULL SAMPLE VARIABLES

	61	62	63	64	65	66	67	68	69	70
46 KNEE CIRCUMFERENCE	.692	.576	.357	.597	.486	.403	.568	.699	.725	.473
47 CALF CIRCUM, RIGHT	.667	.532	.348	.553	.453	.361	.503	.629	.639	.424
48 CALF CIRCUM, LEFT	.661	.523	.350	.541	.448	.358	.491	.624	.640	.414
49 ANKLE CIRCUMFERNCE	.562	.599	.336	.411	.336	.257	.377	.470	.438	.455
50 VERTICAL TRUNK CIR	.569	.532	.417	.591	.548	.426	.566	.630	.628	.481
51 VERT TRUNK CIR,SIT	.514	.524	.416	.546	.510	.391	.534	.594	.576	.494
52 BUTTOCK CIRC, SIT	.676	.506	.402	.717	.627	.516	.708	.844	.873	.419
53 SCYE CIRCUMFERENCE	.703	.580	.370	.708	.617	.492	.659	.549	.566	.465
54 AXILLARY ARM CIRC	.732	.499	.351	.784	.627	.529	.668	.607	.659	.370
55 BICEPS CIR,RELAX,R	.792	.506	.303	.736	.609	.501	.641	.637	.703	.394
56 BICEPS CIR, FLEX,R	.813	.532	.315	.737	.609	.504	.634	.622	.683	.419
57 BICEPS CIR,RELAX,L	.769	.480	.319	.752	.614	.503	.645	.647	.713	.375
58 BICEPS CIR, FLEX,L	.784	.497	.335	.746	.610	.503	.644	.638	.700	.401
59 ELBOW CIR, FLEXED	.754	.560	.361	.478	.401	.339	.439	.380	.346	.482
60 FOREARM CIR, RELAX	.930	.702	.415	.712	.598	.479	.638	.577	.589	.580
61 FOREARM CIR,FLEXED		.683	.401	.685	.570	.455	.608	.557	.567	.552
62 WRIST CIRCUMFERNCE	.683		.415	.528	.456	.369	.494	.408	.356	.618
63 BIACROMIAL BREADTH	.401	.415		.605	.461	.241	.401	.361	.312	.375
64 BIDELOID BREADTH	.685	.528	.605		.740	.511	.692	.621	.626	.408
65 CHEST BREADTH	.570	.456	.461	.740		.495	.617	.512	.547	.374
66 BUSTPT-BUSTPT BRTH	.455	.369	.241	.511	.495		.486	.376	.421	.306
67 WAIST BREADTH	.608	.494	.401	.692	.617	.486		.576	.580	.375
68 HIP BREADTH	.557	.408	.361	.621	.512	.376	.576		.881	.378
69 THIGH-THIGH BR,SIT	.567	.356	.312	.626	.547	.421	.580	.881		.314
70 HUMERAL BREADTH, R	.552	.618	.375	.408	.374	.306	.375	.378	.314	
71 HUMERAL BREADTH, L	.557	.618	.378	.415	.369	.280	.389	.372	.312	.918
72 FEMORAL BREADTH, R	.423	.455	.247	.329	.371	.260	.318	.383	.353	.483
73 FEMORAL BREADTH, L	.445	.477	.253	.353	.390	.268	.347	.409	.381	.502
74 CHEST DEPTH	.570	.447	.254	.633	.592	.671	.631	.513	.566	.349
75 WAIST DEPTH	.565	.427	.275	.640	.569	.506	.703	.516	.568	.280
76 ABDOMINAL EXT DPTH	.583	.415	.280	.661	.595	.509	.687	.602	.674	.287
77 BUTTOCK DEPTH	.624	.441	.291	.670	.531	.457	.635	.673	.735	.317
78 THIGH CLEARANCE	.558	.486	.322	.531	.479	.356	.484	.547	.496	.420
79 SHOULDER LENGTH	.201	.252	.618	.301	.203	.101	.182	.215	.154	.233
80 NECK-BUST POINT L	.414	.365	.269	.496	.438	.490	.479	.434	.450	.284
81 STRAP LENGTH	.502	.432	.354	.585	.527	.533	.551	.479	.495	.345
82 INTERSCYE	.444	.343	.423	.625	.594	.327	.502	.363	.384	.288
83 INTERSCYE, MAXIMUM	.443	.404	.419	.560	.520	.300	.472	.414	.398	.340
84 BACK CURVATURE	.478	.398	.326	.590	.614	.352	.582	.442	.456	.286
85 WAIST BACK	.209	.326	.279	.141	.137	.094	.226	.203	.142	.321
86 ANTERIOR WAIST LTH	.352	.369	.267	.344	.339	.312	.366	.292	.268	.326
87 SLEEVE INSEAM	.130	.288	.387	.142	.088	.088	.170	.164	.047	.288
88 SPINE-TO-SCYE LGTH	.360	.327	.378	.456	.450	.238	.375	.285	.284	.313
89 SPINE-TO-ELBOW LTH	.395	.464	.591	.490	.423	.293	.412	.398	.329	.434
90 SPINE-TO-WRIST LTH	.393	.491	.582	.451	.394	.276	.408	.374	.287	.464

TABLE XXIV

THE CORRELATION MATRIX FOR AGE AND FULL SAMPLE VARIABLES

		61	62	63	64	65	66	67	68	69	70
91	HAND LENGTH	.306	.486	.365	.235	.218	.192	.259	.196	.109	.464
92	HAND BREADTH	.419	.574	.324	.315	.285	.229	.303	.223	.195	.498
93	HAND CIRCUMFERENCE	.568	.706	.363	.404	.346	.298	.383	.264	.233	.547
94	FOOT LENGTH	.367	.530	.426	.320	.278	.232	.356	.317	.225	.485
95	FOOT BREADTH	.352	.462	.325	.287	.237	.186	.284	.253	.212	.363
96	HEAD LENGTH	.239	.254	.239	.204	.230	.205	.168	.183	.177	.244
97	HEAD BREADTH	.227	.188	.178	.233	.219	.176	.263	.188	.218	.162
98	HEAD CIRCUMFERENCE	.313	.303	.311	.300	.278	.225	.292	.265	.255	.258
99	TRAGION-TOP HEAD	.167	.145	.186	.157	.154	.121	.146	.130	.130	.140
100	ECTOCANTHUS-TOP HD	.143	.127	.178	.112	.114	.081	.082	.079	.074	.129
101	PRONASALE-TOP HEAD	.125	.123	.201	.101	.098	.070	.053	.076	.065	.127
102	SUBNASALE-TOP HEAD	.146	.152	.240	.135	.133	.088	.086	.100	.085	.144
103	STOMION-TOP HEAD	.158	.175	.238	.129	.125	.087	.087	.093	.076	.157
104	MENTON-TOP HEAD	.223	.235	.300	.194	.188	.143	.152	.145	.128	.221
105	TRAGION TO WALL	.156	.140	.169	.166	.137	.157	.122	.111	.105	.122
106	ECTOCANTHUS-WALL	.236	.208	.244	.231	.204	.201	.183	.179	.175	.183
107	PRONASALE TO WALL	.282	.268	.268	.272	.232	.231	.227	.215	.206	.232
108	SUBNASALE TO WALL	.258	.244	.231	.250	.211	.214	.209	.181	.170	.193
109	LIP PROTRUS'N-WALL	.232	.213	.191	.224	.182	.187	.191	.146	.135	.159
110	MENTON TO WALL	.274	.226	.181	.280	.238	.218	.248	.183	.187	.178
111	SAGITTAL CURVATURE	.180	.159	.227	.177	.186	.096	.148	.184	.178	.158
112	BITRAGION-CORONAL	.239	.235	.186	.218	.209	.157	.231	.172	.187	.190
113	BIOCULAR BREADTH	.233	.267	.146	.141	.162	.137	.163	.092	.099	.211
114	BIAURICULAR BRDTH	.178	.181	.179	.186	.208	.084	.193	.160	.152	.100
115	BITRAGION BREADTH	.344	.352	.291	.346	.316	.213	.339	.266	.270	.263
116	BIZYGOMATIC BRDTH	.322	.314	.211	.283	.273	.221	.296	.215	.221	.265
117	BIGONIAL BREADTH	.318	.299	.141	.299	.276	.203	.294	.200	.225	.248
118	NASAL BREADTH	.139	.141	.119	.095	.068	.079	.081	-.022	-.017	.096
119	LIP LENGTH	.074	.121	.067	.052	.057	.067	.071	-.004	-.010	.102
120	MENTON-SUBNASALE L	.175	.189	.147	.151	.152	.123	.132	.113	.117	.130
121	MENTON-SELLION LTH	.206	.231	.266	.207	.194	.156	.182	.155	.163	.222
122	SUBNASALE-SELLION	.127	.158	.194	.139	.123	.079	.121	.109	.120	.146
123	EAR LENGTH	.215	.212	.187	.245	.213	.192	.224	.196	.198	.129
124	EAR BREADTH	.118	.142	.134	.125	.087	.093	.101	.089	.080	.070
125	GRIP STRENGTH	.424	.399	.334	.341	.307	.207	.280	.207	.198	.368
139	STATURE-REPORTED	.338	.472	.463	.329	.304	.238	.362	.373	.269	.493
140	WEIGHT-REPORTED	.751	.632	.498	.777	.689	.578	.747	.751	.760	.537

TABLE XXIV

THE CORRELATION MATRIX FOR AGE AND FULL SAMPLE VARIABLES

		71	72	73	74	75	76	77	78	79	80
1	AGE	.105	.115	.136	.292	.289	.289	.164	-.009	.028	.311
2	WEIGHT	.544	.487	.515	.744	.736	.791	.805	.714	.273	.573
3	TRICEPS SKINFOLD	.214	.282	.299	.511	.498	.573	.598	.419	.038	.363
4	SUBSCAPULAR SKINFOLD	.115	.206	.220	.611	.608	.637	.577	.329	.032	.406
5	SUPRAILIAC SKINFOLD	.198	.239	.250	.577	.566	.594	.537	.416	.040	.421
6	MEDIAL CALF SKINFOLD	.113	.185	.196	.257	.274	.355	.392	.306	-.033	.161
7	STATURE	.491	.338	.346	.227	.192	.208	.238	.431	.365	.265
8	STATURE, MAXIMUM	.494	.342	.350	.229	.192	.208	.239	.436	.366	.266
9	CERVICAL HEIGHT	.493	.344	.352	.245	.210	.225	.250	.447	.373	.271
10	ACROMIAL HEIGHT	.493	.343	.354	.264	.230	.246	.271	.443	.276	.258
11	SUPRASTERNAL HEIGHT	.501	.349	.356	.255	.218	.231	.264	.454	.353	.258
12	BUST POINT HEIGHT	.445	.291	.296	.163	.136	.156	.189	.399	.311	.032
13	WAIST HEIGHT	.446	.308	.316	.235	.181	.210	.243	.443	.335	.224
14	ABDOMINAL EXTENSION HT	.434	.287	.294	.174	.109	.117	.173	.413	.325	.162
15	TROCHANTERIC HEIGHT	.405	.257	.269	.213	.189	.212	.234	.428	.325	.165
16	BUTTOCK HEIGHT	.402	.287	.297	.235	.206	.237	.246	.441	.277	.200
17	GLUTEAL FURROW HEIGHT	.357	.227	.232	.157	.111	.130	.128	.364	.293	.127
18	TIBIAL HEIGHT	.389	.293	.296	.184	.130	.147	.185	.400	.306	.197
19	CROTCH HEIGHT	.403	.279	.289	.191	.144	.171	.187	.433	.318	.156
20	ANKLE HEIGHT	.170	.110	.097	.102	.084	.079	.074	.106	.126	.131
21	LAT'L MALLEOLUS HT	.295	.262	.266	.130	.089	.097	.088	.230	.077	.107
22	SITTING HT, RELAXED	.414	.298	.302	.178	.157	.151	.196	.283	.297	.288
23	SITTING HEIGHT	.437	.313	.320	.194	.174	.177	.227	.320	.306	.293
24	EYE HEIGHT, SITTING	.406	.330	.333	.190	.153	.171	.204	.334	.290	.299
25	MIDSHOULDER HT, SIT	.414	.268	.281	.239	.249	.243	.284	.310	.229	.304
26	WAIST HEIGHT, SITTING	.258	.240	.243	.250	.226	.249	.274	.263	.145	.266
27	ELBOW REST HEIGHT	.143	.138	.142	.060	.067	.069	.103	.080	-.095	.131
28	POPLITEAL HEIGHT	.362	.239	.250	.165	.127	.129	.149	.381	.257	.132
29	BUTTOCK-POPLITEAL L	.368	.288	.297	.344	.331	.398	.445	.477	.226	.240
30	BUTTOCK-KNEE LENGTH	.460	.357	.371	.417	.397	.473	.544	.591	.301	.311
31	ACROMION-RADIAL L	.385	.279	.292	.258	.222	.225	.198	.372	.249	.223
32	RADIAL-STYLION L	.354	.217	.218	.175	.139	.160	.177	.344	.282	.151
33	THUMB-TIP REACH	.371	.206	.219	.239	.241	.241	.243	.301	.282	.208
34	THUMB-TIP, EXTENDED	.358	.249	.256	.221	.183	.222	.257	.342	.312	.194
35	OVERHEAD REACH	.442	.274	.281	.212	.176	.198	.234	.401	.362	.219
36	NECK CIRCUMFERENCE	.341	.257	.267	.454	.455	.443	.446	.385	.136	.332
37	SHOULDER CIRCUMFERENCE	.456	.371	.396	.702	.670	.685	.671	.567	.316	.515
38	CHEST CIRC AT SCYE	.420	.354	.375	.758	.689	.696	.649	.505	.226	.550
39	BUST CIRCUMFERENCE	.375	.338	.357	.880	.723	.733	.660	.489	.147	.642
40	CHEST C BELOW BUST	.402	.361	.388	.753	.705	.710	.633	.498	.166	.484
41	WAIST CIRCUMFERENCE	.374	.341	.365	.737	.845	.814	.707	.511	.159	.537
42	ABDOMINAL EXT CIRC	.321	.337	.361	.697	.748	.822	.706	.489	.136	.525
43	HIP C-7" BLW WAIST	.417	.399	.427	.677	.695	.777	.820	.621	.180	.503
44	HIP C-9" BLW WAIST	.414	.407	.433	.628	.635	.719	.809	.636	.215	.499
45	UPPER THIGH CIRCUM	.360	.386	.410	.602	.595	.689	.795	.669	.165	.445

TABLE XXIV

THE CORRELATION MATRIX FOR AGE AND FULL SAMPLE VARIABLES

		71	72	73	74	75	76	77	78	79	80
46	KNEE CIRCUMFERENCE	.481	.524	.547	.524	.539	.608	.689	.643	.197	.404
47	CALF CIRCUM, RIGHT	.427	.424	.451	.447	.446	.519	.624	.599	.211	.337
48	CALF CIRCUM, LEFT	.421	.404	.436	.440	.439	.512	.619	.587	.210	.333
49	ANKLE CIRCUMFERNCE	.461	.410	.426	.300	.297	.334	.437	.469	.224	.257
50	VERTICAL TRUNK CIR	.485	.384	.404	.558	.541	.576	.626	.515	.234	.482
51	VERT TRUNK CIR,SIT	.495	.383	.401	.510	.482	.506	.546	.470	.247	.455
52	BUTTOCK CIRC, SIT	.421	.414	.440	.671	.712	.782	.814	.618	.197	.531
53	SCYE CIRCUMFERENCE	.475	.372	.397	.647	.634	.647	.627	.525	.137	.493
54	AXILLARY ARM CIRC	.371	.332	.350	.702	.682	.717	.706	.532	.141	.502
55	BICEPS CIR,RELAX,R	.406	.358	.381	.678	.661	.716	.712	.545	.110	.475
56	BICEPS CIR, FLEX,R	.435	.369	.393	.673	.653	.701	.705	.561	.109	.477
57	BICEPS CIR,RELAX,L	.396	.341	.368	.674	.664	.721	.718	.537	.111	.462
58	BICEPS CIR, FLEX,L	.424	.359	.384	.663	.654	.707	.703	.540	.119	.470
59	ELBOW CIRC, FLEXED	.501	.342	.356	.388	.389	.376	.416	.433	.204	.290
60	FOREARM CIR, RELAX	.580	.434	.461	.595	.593	.616	.651	.575	.197	.423
61	FOREARM CIR,FLEXED	.557	.423	.445	.570	.565	.583	.624	.558	.201	.414
62	WRIST CIRCUMFERNCE	.618	.455	.477	.447	.427	.415	.441	.486	.252	.365
63	BIACROMIAL BREADTH	.378	.247	.253	.254	.275	.280	.291	.322	.618	.269
64	BIDELTOID BREADTH	.415	.329	.353	.633	.640	.661	.670	.531	.301	.496
65	CHEST BREADTH	.369	.371	.390	.592	.569	.595	.531	.479	.203	.438
66	BUSTPT-BUSTPT BRTH	.280	.260	.268	.671	.506	.509	.457	.356	.101	.490
67	WAIST BREADTH	.389	.318	.347	.631	.703	.687	.635	.484	.182	.479
68	HIP BREADTH	.372	.383	.409	.513	.516	.602	.673	.547	.215	.434
69	THIGH-THIGH BR,SIT	.312	.353	.381	.566	.568	.674	.735	.496	.154	.450
70	HUMERAL BREADTH, R	.918	.483	.502	.349	.280	.287	.317	.420	.233	.284
71	HUMERAL BREADTH, L		.465	.486	.333	.289	.289	.314	.420	.229	.276
72	FEMORAL BREADTH, R			.960	.300	.289	.321	.288	.453	.147	.273
73	FEMORAL BREADTH, L				.319	.315	.347	.314	.463	.143	.284
74	CHEST DEPTH					.697	.713	.640	.468	.095	.626
75	WAIST DEPTH						.861	.686	.448	.089	.505
76	ABDOMINAL EXT DPTH							.770	.526	.097	.497
77	BUTTOCK DEPTH								.591	.122	.446
78	THIGH CLEARANCE									.201	.343
79	SHOULDER LENGTH										.288
80	NECK-BUST POINT L										
81	STRAP LENGTH										
82	INTERSCYE										
83	INTERSCYE, MAXIMUM										
84	BACK CURVATURE										
85	WAIST BACK										
86	ANTERIOR WAIST LTH										
87	SLEEVE INSEAM										
88	SPINE-TO-SCYE LGTH										
89	SPINE-TO-ELBOW LTH										
90	SPINE-TO-WRIST LTH										

TABLE XXIV

THE CORRELATION MATRIX FOR AGE AND FULL SAMPLE VARIABLES

		71	72	73	74	75	76	77	78	79	80
91	HAND LENGTH	.457	.303	.319	.196	.172	.158	.151	.346	.314	.204
92	HAND BREADTH	.495	.303	.318	.254	.220	.215	.220	.320	.203	.233
93	HAND CIRCUMFERENCE	.546	.369	.383	.319	.306	.285	.296	.392	.197	.274
94	FOOT LENGTH	.496	.336	.350	.266	.246	.253	.274	.412	.346	.254
95	FOOT BREADTH	.372	.208	.225	.177	.202	.220	.252	.297	.206	.121
96	HEAD LENGTH	.245	.187	.194	.180	.128	.147	.178	.236	.172	.131
97	HEAD BREADTH	.149	.178	.179	.232	.225	.239	.176	.179	.063	.204
98	HEAD CIRCUMFERENCE	.260	.201	.211	.237	.234	.247	.292	.314	.214	.193
99	TRAGION-TOP HEAD	.135	.071	.076	.110	.115	.136	.146	.127	.121	.095
100	ECTOCANTHUS-TOP HD	.123	.064	.067	.049	.055	.069	.103	.104	.095	.036
101	PRONASALE-TOP HEAD	.128	.073	.077	.022	.019	.021	.069	.073	.121	.047
102	SUBNASALE-TOP HEAD	.145	.078	.084	.038	.038	.042	.100	.097	.145	.050
103	STOMION-TOP HEAD	.160	.082	.087	.041	.038	.041	.104	.123	.144	.056
104	MENTON-TOP HEAD	.222	.126	.133	.085	.098	.101	.161	.181	.181	.077
105	TRAGION TO WALL	.129	.027	.032	.160	.111	.131	.176	.146	.123	.076
106	ECTOCANTHUS-WALL	.184	.071	.079	.207	.162	.186	.232	.190	.193	.124
107	PRONASALE TO WALL	.227	.121	.134	.250	.188	.213	.255	.241	.208	.160
108	SUBNASALE TO WALL	.193	.093	.102	.235	.184	.207	.250	.238	.183	.125
109	LIP PROTRUSION-WALL	.162	.078	.084	.220	.182	.200	.236	.218	.162	.114
110	MENTON TO WALL	.179	.106	.110	.275	.231	.245	.261	.186	.129	.141
111	SAGITTAL CURVATURE	.147	.109	.109	.112	.117	.128	.161	.149	.150	.124
112	BITRAGION-CORONAL	.190	.153	.157	.192	.197	.205	.208	.219	.104	.176
113	BIOCLAR BREADTH	.208	.236	.247	.152	.143	.128	.105	.198	.076	.128
114	BIAURICULAR BRDTH	.099	.125	.130	.151	.133	.122	.137	.126	.120	.103
115	BITRAGION BREADTH	.256	.250	.270	.287	.297	.278	.240	.239	.139	.230
116	BIZYGOMATIC BRDTH	.259	.292	.309	.246	.267	.240	.177	.251	.081	.208
117	BIGONIAL BREADTH	.240	.305	.325	.290	.297	.267	.201	.261	.025	.242
118	NASAL BREADTH	.095	.055	.055	.057	.120	.088	.076	.119	.079	.036
119	LIP LENGTH	.110	.117	.119	.071	.084	.051	.020	.114	.049	.097
120	MENTON-SUBNASALE L	.143	.115	.128	.133	.117	.130	.150	.173	.087	.082
121	MENTON-SELLION LTH	.213	.163	.190	.152	.155	.153	.124	.155	.162	.162
122	SUBNASALE-SELLION	.139	.103	.123	.103	.098	.086	.056	.063	.121	.143
123	EAR LENGTH	.138	.117	.123	.260	.239	.249	.211	.177	.087	.197
124	EAR BREADTH	.083	.062	.064	.106	.085	.083	.119	.114	.067	.061
125	GRIP STRENGTH	.359	.230	.240	.222	.151	.135	.226	.248	.188	.201
139	STATURE-REPORTED	.496	.350	.357	.260	.216	.233	.268	.446	.362	.286
140	WEIGHT-REPORTED	.542	.488	.514	.726	.715	.763	.769	.695	.280	.567

TABLE XXIV

THE CORRELATION MATRIX FOR AGE AND FULL SAMPLE VARIABLES

		81	82	83	84	85	86	87	88	89	90
1	AGE	.326	.194	.171	.165	.010	.047	-.083	.151	.127	.077
2	WEIGHT	.655	.534	.553	.606	.298	.459	.288	.430	.569	.566
3	TRICEPS SKINFOLD	.411	.302	.294	.358	.021	.218	-.056	.184	.178	.133
4	SUBSCAPULAR SKINFOLD	.448	.364	.324	.431	-.034	.197	-.081	.198	.139	.101
5	SUPRAILIAC SKINFOLD	.443	.340	.331	.356	.036	.258	-.030	.233	.178	.145
6	MEDIAL CALF SKINFOLD	.172	.111	.100	.213	.012	.140	-.057	.042	.037	.008
7	STATURE	.323	.188	.352	.236	.585	.458	.707	.259	.679	.758
8	STATURE, MAXIMUM	.323	.190	.353	.238	.588	.457	.708	.261	.681	.760
9	CERVICAL HEIGHT	.316	.191	.362	.238	.609	.437	.728	.258	.678	.768
10	ACROMIAL HEIGHT	.306	.204	.355	.270	.556	.436	.701	.264	.662	.756
11	SUPRASTERNAL HEIGHT	.320	.193	.343	.241	.549	.484	.717	.252	.676	.767
12	BUST POINT HEIGHT	.093	.130	.277	.184	.511	.414	.722	.198	.626	.731
13	WAIST HEIGHT	.260	.164	.322	.201	.395	.217	.737	.228	.660	.760
14	ABDOMINAL EXTENSION HT	.230	.122	.275	.169	.418	.272	.749	.202	.641	.748
15	TROCHANTERIC HEIGHT	.210	.139	.241	.209	.372	.269	.742	.171	.630	.742
16	BUTTOCK HEIGHT	.242	.165	.296	.225	.349	.285	.726	.213	.613	.728
17	GLUTEAL FURROW HEIGHT	.157	.107	.242	.147	.350	.240	.746	.169	.593	.708
18	TIBIAL HEIGHT	.213	.148	.336	.134	.342	.258	.733	.223	.582	.705
19	CROTCH HEIGHT	.185	.135	.276	.173	.373	.265	.775	.190	.629	.753
20	ANKLE HEIGHT	.110	.121	.246	.002	.160	.126	.382	.111	.233	.306
21	LAT'L MALLEOLUS HT	.157	.083	.137	.116	.234	.202	.226	.143	.258	.273
22	SITTING HT, RELAXED	.347	.165	.313	.202	.615	.519	.374	.239	.486	.485
23	SITTING HEIGHT	.357	.194	.320	.230	.657	.531	.389	.245	.499	.501
24	EYE HEIGHT, SITTING	.350	.187	.319	.219	.604	.506	.326	.245	.458	.449
25	MIDSHOULDER HT, SIT	.344	.233	.327	.274	.643	.495	.335	.259	.441	.454
26	WAIST HEIGHT, SITTING	.299	.180	.275	.199	.097	.118	.151	.180	.294	.276
27	ELBOW REST HEIGHT	.136	.049	.111	.101	.367	.323	-.208	.101	-.086	-.115
28	POPLITEAL HEIGHT	.159	.110	.253	.159	.311	.242	.637	.199	.540	.649
29	BUTTOCK-POPLIT'L L	.286	.226	.311	.274	.241	.250	.567	.207	.535	.615
30	BUTTOCK-KNEE LENGTH	.360	.273	.376	.343	.323	.329	.645	.257	.639	.719
31	ACROMION-RADIAL L	.253	.159	.261	.269	.329	.257	.730	.178	.713	.768
32	RADIAL-STYLION L	.185	.119	.256	.137	.305	.214	.788	.150	.548	.732
33	THUMB-TIP REACH	.243	.223	.278	.225	.338	.250	.679	.243	.598	.689
34	THUMB-TIP, EXTENDED	.227	.159	.279	.195	.316	.245	.634	.175	.549	.640
35	OVERHEAD REACH	.264	.173	.297	.212	.468	.367	.750	.197	.667	.765
36	NECK CIRCUMFERENCE	.452	.368	.394	.389	.209	.271	.213	.259	.350	.381
37	SHOULDER CIRCUMFERENCE	.613	.662	.573	.649	.172	.388	.160	.490	.533	.490
38	CHEST CIRC AT SCYE	.630	.621	.565	.633	.122	.367	.100	.475	.459	.419
39	BUST CIRCUMFERENCE	.700	.574	.498	.625	.114	.397	.072	.422	.399	.363
40	CHEST C BELOW BUST	.556	.548	.504	.652	.162	.386	.101	.411	.419	.392
41	WAIST CIRCUMFERENCE	.616	.529	.484	.595	.181	.388	.121	.366	.383	.369
42	ABDOMINAL EXT CIRC	.580	.480	.464	.546	.094	.305	.050	.336	.341	.303
43	HIP C-7" BLW WAIST	.576	.482	.478	.555	.186	.352	.150	.352	.419	.404
44	HIP C-9" BLW WAIST	.558	.448	.471	.516	.189	.332	.155	.335	.424	.403
45	UPPER THIGH CIRCUM	.497	.405	.418	.471	.115	.292	.090	.307	.345	.322

TABLE XXIV

THE CORRELATION MATRIX FOR AGE AND FULL SAMPLE VARIABLES

	81	82	83	84	85	86	87	88	89	90
46 KNEE CIRCUMFERENCE	.464	.367	.403	.431	.231	.340	.195	.309	.398	.397
47 CALF CIRCUM, RIGHT	.398	.341	.344	.415	.216	.299	.139	.267	.361	.337
48 CALF CIRCUM, LEFT	.397	.337	.340	.408	.219	.293	.140	.259	.358	.335
49 ANKLE CIRCUMFERNCE	.297	.253	.304	.296	.284	.297	.198	.231	.331	.335
50 VERTICAL TRUNK CIR	.549	.376	.425	.446	.469	.557	.257	.321	.474	.475
51 VERT TRUNK CIR,SIT	.519	.364	.435	.442	.533	.533	.305	.329	.506	.508
52 BUTTOCK CIRC, SIT	.593	.473	.489	.539	.188	.348	.169	.364	.443	.426
53 SCYE CIRCUMFERENCE	.568	.446	.490	.528	.186	.364	.151	.367	.444	.441
54 AXILLARY ARM CIRC	.576	.479	.456	.527	.066	.332	-.019	.352	.316	.274
55 BICEPS CIR,RELAX,R	.548	.457	.419	.508	.073	.309	-.055	.333	.277	.237
56 BICEPS CIR, FLEX,R	.553	.455	.433	.513	.090	.319	-.029	.336	.295	.261
57 BICEPS CIR,RELAX,L	.547	.460	.420	.512	.062	.297	-.027	.322	.286	.249
58 BICEPS CIR, FLEX,L	.551	.461	.427	.501	.074	.307	-.022	.334	.289	.258
59 ELBOW CIRC, FLEXED	.359	.301	.324	.317	.252	.308	.275	.263	.381	.429
60 FOREARM CIR, RELAX	.512	.456	.454	.506	.208	.349	.131	.372	.415	.410
61 FOREARM CIR,FLEXED	.502	.444	.443	.478	.209	.352	.130	.360	.395	.393
62 WRIST CIRCUMFERNCE	.432	.343	.404	.398	.326	.369	.288	.327	.464	.491
63 BIACROMIAL BREADTH	.354	.423	.419	.326	.279	.267	.387	.378	.591	.582
64 BIDELOID BREADTH	.585	.625	.560	.590	.141	.344	.142	.456	.490	.451
65 CHEST BREADTH	.527	.594	.520	.614	.137	.339	.088	.450	.423	.394
66 BUSTPT-BUSTPT BRTH	.533	.327	.300	.352	.094	.312	.088	.238	.293	.276
67 WAIST BREADTH	.551	.502	.472	.582	.226	.366	.170	.375	.412	.408
68 HIP BREADTH	.479	.363	.414	.442	.203	.292	.164	.285	.398	.374
69 THIGH-THIGH BR,SIT	.495	.384	.398	.456	.142	.268	.047	.284	.329	.287
70 HUMERAL BREADTH, R	.345	.288	.340	.286	.321	.326	.288	.313	.434	.464
71 HUMERAL BREADTH, L	.337	.287	.333	.297	.326	.328	.299	.307	.429	.466
72 FEMORAL BREADTH, R	.297	.245	.317	.264	.211	.265	.166	.306	.322	.323
73 FEMORAL BREADTH, L	.312	.257	.328	.298	.212	.269	.168	.311	.331	.333
74 CHEST DEPTH	.658	.468	.408	.547	.120	.343	.083	.310	.340	.318
75 WAIST DEPTH	.557	.452	.396	.525	.079	.295	.044	.306	.290	.267
76 ABDOMINAL EXT DPTH	.544	.472	.415	.540	.055	.290	.060	.319	.310	.282
77 BUTTOCK DEPTH	.511	.433	.384	.493	.097	.278	.101	.265	.314	.308
78 THIGH CLEARANCE	.385	.336	.386	.382	.198	.298	.268	.316	.406	.436
79 SHOULDER LENGTH	.226	.231	.292	.075	.261	.171	.373	.228	.459	.444
80 NECK-BUST POINT L	.900	.366	.415	.345	.160	.309	.082	.311	.315	.277
81 STRAP LENGTH		.454	.453	.439	.187	.384	.094	.354	.373	.336
82 INTERSCYE		.454	.561	.548	.154	.218	.086	.559	.385	.335
83 INTERSCYE, MAXIMUM		.453	.561	.418	.202	.254	.222	.505	.453	.433
84 BACK CURVATURE		.439	.548	.418	.170	.272	.069	.380	.388	.347
85 WAIST BACK		.187	.154	.202	.170	.452	.352	.162	.357	.381
86 ANTERIOR WAIST LTH		.384	.218	.254	.272	.452	.188	.206	.310	.314
87 SLEEVE INSEAM		.094	.086	.222	.069	.352	.188	.113	.655	.792
88 SPINE-TO-SCYE LGTH		.354	.559	.505	.380	.162	.206	.113	.547	.466
89 SPINE-TO-ELBOW LTH		.373	.385	.453	.388	.357	.310	.655	.547	.935
90 SPINE-TO-WRIST LTH		.336	.335	.433	.347	.381	.314	.792	.466	.935

TABLE XXIV

THE CORRELATION MATRIX FOR AGE AND FULL SAMPLE VARIABLES

		81	82	83	84	85	86	87	88	89	90
91	HAND LENGTH	.221	.122	.208	.185	.334	.230	.474	.191	.492	.558
92	HAND BREADTH	.272	.202	.273	.257	.246	.226	.256	.242	.378	.414
93	HAND CIRCUMFERENCE	.327	.232	.297	.264	.259	.283	.213	.283	.369	.405
94	FOOT LENGTH	.289	.199	.309	.248	.394	.284	.572	.232	.561	.647
95	FOOT BREADTH	.173	.147	.159	.181	.207	.159	.294	.130	.323	.375
96	HEAD LENGTH	.172	.141	.142	.150	.153	.126	.195	.170	.280	.298
97	HEAD BREADTH	.227	.170	.175	.208	.040	.074	.035	.183	.187	.168
98	HEAD CIRCUMFERENCE	.246	.204	.185	.205	.169	.159	.249	.186	.326	.358
99	TRAGION-TOP HEAD	.122	.126	.080	.047	.113	.096	.168	.079	.185	.202
100	ECTOCANTHUS-TOP HD	.078	.098	.030	.031	.113	.109	.185	.058	.167	.193
101	PRONASALE-TOP HEAD	.089	.079	.065	.022	.110	.105	.184	.076	.186	.207
102	SUBNASALE-TOP HEAD	.103	.102	.074	.047	.143	.130	.227	.077	.216	.247
103	STOMION-TOP HEAD	.105	.089	.067	.037	.146	.135	.238	.082	.222	.257
104	MENTON-TOP HEAD	.147	.137	.093	.092	.177	.169	.260	.116	.285	.324
105	TRAGION TO WALL	.100	.115	.079	.080	.089	.096	.198	.045	.175	.217
106	ECTOCANTHUS-WALL	.156	.148	.103	.118	.128	.117	.242	.084	.249	.289
107	PRONASALE TO WALL	.186	.173	.157	.155	.159	.132	.254	.132	.281	.321
108	SUBNASALE TO WALL	.148	.157	.125	.126	.124	.101	.243	.096	.239	.290
109	LIP PROTRUS/N-WALL	.125	.141	.096	.109	.079	.062	.210	.069	.192	.244
110	MENTON TO WALL	.158	.191	.163	.171	.061	.063	.132	.117	.180	.210
111	SAGITTAL CURVATURE	.151	.141	.143	.096	.178	.114	.204	.108	.233	.254
112	BITRAGION-CORONAL	.206	.159	.155	.150	.134	.098	.147	.130	.223	.232
113	BIOCULAR BREADTH	.151	.118	.183	.111	.087	.081	.130	.177	.195	.220
114	BIAURICULAR BROTH	.132	.114	.144	.137	.095	.107	.104	.120	.185	.177
115	BITRAGION BREADTH	.279	.230	.255	.265	.099	.127	.126	.226	.291	.289
116	BIZYGOMATIC BROTH	.257	.184	.247	.248	.076	.134	.084	.224	.234	.236
117	BIGONIAL BREADTH	.268	.225	.258	.252	.058	.124	.000	.244	.182	.163
118	NASAL BREADTH	.058	.066	-.005	-.001	-.011	.005	.120	.030	.061	.119
119	LIP LENGTH	.087	.054	.041	.041	-.007	-.001	.060	.085	.076	.101
120	MENTON-SUBNASALE L	.112	.074	.054	.079	.100	.089	.119	.073	.162	.187
121	MENTON-SELLION LTH	.205	.141	.164	.125	.154	.129	.151	.161	.247	.266
122	SUBNASALE-SELLION	.163	.098	.150	.097	.126	.073	.095	.100	.154	.165
123	EAR LENGTH	.217	.160	.189	.174	.099	.149	.120	.094	.173	.188
124	EAR BREADTH	.086	.092	.069	.053	.051	.045	.107	.058	.129	.156
125	GRIP STRENGTH	.253	.243	.283	.255	.221	.201	.212	.278	.350	.360
139	STATURE-REPORTED	.340	.210	.367	.267	.580	.450	.696	.267	.684	.760
140	WEIGHT-REPORTED	.648	.526	.562	.592	.313	.454	.303	.435	.581	.579

TABLE XXIV

THE CORRELATION MATRIX FOR AGE AND FULL SAMPLE VARIABLES

		91	92	93	94	95	96	97	98	99	100
1	AGE	.080	.140	.138	.055	.007	.118	.190	.095	.067	.061
2	WEIGHT	.383	.417	.495	.510	.393	.304	.290	.403	.222	.168
3	TRICEPS SKINFOLD	.007	.057	.154	.052	.055	.058	.156	.107	.060	.022
4	SUBSCAPULAR SKINFOLD	-.020	.046	.124	.038	.040	.021	.133	.099	.070	.012
5	SUPRAILIAC SKINFOLD	.050	.084	.168	.100	.066	.052	.142	.097	.063	.011
6	MEDIAL CALF SKINFOLD	-.068	.002	.046	-.021	.031	.035	.090	.063	.059	.011
7	STATURE	.601	.380	.365	.692	.355	.318	.136	.331	.244	.236
8	STATURE, MAXIMUM	.605	.381	.367	.696	.355	.321	.137	.335	.242	.234
9	CERVICAL HEIGHT	.604	.376	.364	.697	.346	.299	.121	.308	.208	.198
10	ACROMIAL HEIGHT	.592	.376	.368	.684	.349	.298	.134	.311	.206	.197
11	SUPRASTERNAL HEIGHT	.608	.377	.374	.696	.357	.307	.117	.319	.214	.211
12	BUST POINT HEIGHT	.570	.334	.321	.646	.341	.284	.085	.284	.190	.194
13	WAIST HEIGHT	.603	.340	.321	.680	.341	.297	.123	.306	.205	.194
14	ABDOMINAL EXTENSION HT	.604	.332	.308	.661	.320	.283	.090	.280	.193	.192
15	TROCHANTERIC HEIGHT	.599	.328	.300	.658	.344	.287	.096	.317	.216	.213
16	BUTTOCK HEIGHT	.572	.315	.307	.637	.300	.270	.106	.276	.177	.163
17	GLUTEAL FURROW HEIGHT	.546	.276	.250	.602	.284	.242	.087	.251	.187	.178
18	TIBIAL HEIGHT	.498	.313	.303	.611	.292	.229	.101	.251	.174	.171
19	CROTCH HEIGHT	.585	.328	.300	.664	.311	.280	.089	.294	.191	.190
20	ANKLE HEIGHT	.062	.158	.149	.271	.175	.032	.001	.095	.110	.122
21	LAT'AL MALLEOLUS HT	.309	.209	.225	.273	.155	.152	.088	.116	.072	.076
22	SITTING HT, RELAXED	.402	.303	.298	.485	.254	.268	.129	.273	.226	.208
23	SITTING HEIGHT	.414	.320	.319	.509	.271	.275	.136	.294	.232	.211
24	EYE HEIGHT, SITTING	.383	.292	.286	.450	.218	.229	.103	.214	.131	.080
25	MIDSHOULDER HT, SIT	.360	.297	.313	.455	.255	.208	.129	.241	.151	.131
26	WAIST HEIGHT, SITTING	.196	.163	.165	.270	.138	.140	.105	.134	.084	.061
27	ELBOW REST HEIGHT	.013	.064	.085	.037	.009	.040	.037	.021	-.005	-.019
28	POPLITEAL HEIGHT	.557	.339	.312	.592	.281	.253	.087	.235	.136	.137
29	BUTTOCK-POPLITEAL L	.447	.264	.264	.524	.288	.249	.111	.293	.177	.160
30	BUTTOCK-KNEE LENGTH	.514	.345	.362	.626	.361	.296	.140	.344	.214	.195
31	ACROMION-RADIAL L	.573	.329	.309	.578	.276	.268	.109	.272	.149	.149
32	RADIAL-STYLION L	.462	.307	.298	.589	.313	.219	.093	.295	.182	.202
33	THUMB-TIP REACH	.523	.354	.345	.591	.327	.220	.137	.273	.215	.197
34	THUMB-TIP, EXTENDED	.455	.308	.284	.533	.315	.244	.085	.310	.182	.168
35	OVERHEAD REACH	.566	.354	.338	.660	.371	.278	.115	.328	.232	.217
36	NECK CIRCUMFERENCE	.187	.365	.351	.324	.265	.179	.278	.335	.180	.125
37	SHOULDER CIRCUMFERENCE	.289	.355	.424	.343	.287	.248	.252	.330	.153	.120
38	CHEST CIRC AT SCYE	.223	.327	.421	.305	.257	.208	.240	.282	.150	.102
39	BUST CIRCUMFERENCE	.191	.287	.367	.277	.206	.204	.255	.273	.142	.083
40	CHEST C BELOW BUST	.223	.313	.379	.304	.243	.204	.262	.273	.144	.094
41	WAIST CIRCUMFERENCE	.216	.272	.368	.320	.259	.149	.267	.281	.142	.075
42	ABDOMINAL EXT CIRC	.143	.233	.284	.230	.197	.125	.263	.222	.113	.036
43	HIP C-7" BLW WAIST	.230	.282	.353	.348	.295	.200	.249	.297	.150	.083
44	HIP C-9" BLW WAIST	.218	.274	.342	.351	.297	.214	.238	.310	.154	.101
45	UPPER THIGH CIRCUM	.162	.239	.315	.267	.255	.189	.228	.272	.123	.074

TABLE XXIV

THE CORRELATION MATRIX FOR AGE AND FULL SAMPLE VARIABLES

		91	92	93	94	95	96	97	98	99	100
46	KNEE CIRCUMFERENCE	.262	.325	.413	.404	.355	.210	.238	.322	.182	.140
47	CALF CIRCUM, RIGHT	.233	.321	.392	.357	.378	.209	.205	.290	.164	.131
48	CALF CIRCUM, LEFT	.236	.321	.390	.354	.372	.217	.202	.299	.162	.124
49	ANKLE CIRCUMFERNCE	.276	.374	.448	.434	.412	.199	.170	.270	.151	.134
50	VERTICAL TRUNK CIR	.332	.334	.416	.457	.322	.249	.200	.322	.196	.160
51	VERT TRUNK CIR,SIT	.367	.337	.401	.490	.315	.243	.187	.296	.186	.143
52	BUTTOCK CIRC, SIT	.243	.297	.358	.376	.305	.220	.244	.315	.162	.102
53	SCYE CIRCUMFERENCE	.291	.378	.494	.367	.296	.191	.218	.258	.153	.110
54	AXILLARY ARM CIRC	.105	.260	.391	.186	.203	.143	.227	.227	.101	.047
55	BICEPS CIR,RELAX,R	.113	.271	.390	.183	.212	.164	.218	.233	.123	.076
56	BICEPS CIR, FLEX,R	.155	.307	.424	.208	.232	.179	.213	.245	.119	.084
57	BICEPS CIR,RELAX,L	.090	.245	.347	.185	.217	.157	.215	.241	.112	.072
58	BICEPS CIR, FLEX,L	.116	.272	.385	.204	.229	.168	.213	.241	.108	.072
59	ELBOW CIRC, FLEXED	.370	.362	.480	.414	.327	.238	.132	.260	.164	.168
60	FOREARM CIR, RELAX	.307	.435	.566	.380	.362	.241	.238	.327	.160	.133
61	FOREARM CIR,FLEXED	.306	.419	.568	.367	.352	.239	.227	.313	.167	.143
62	WRIST CIRCUMFERNCE	.486	.574	.706	.530	.462	.254	.188	.303	.145	.127
63	BIACROMIAL BREADTH	.365	.324	.363	.426	.325	.239	.178	.311	.186	.178
64	BIDELTOID BREADTH	.235	.315	.404	.320	.287	.204	.233	.300	.157	.112
65	CHEST BREADTH	.218	.285	.346	.278	.237	.230	.219	.278	.154	.114
66	BUSTPT-BUSTPT BRTH	.192	.229	.298	.232	.186	.205	.176	.225	.121	.081
67	WAIST BREADTH	.259	.303	.383	.356	.284	.168	.263	.292	.146	.082
68	HIP BREADTH	.196	.223	.264	.317	.253	.183	.188	.265	.130	.079
69	THIGH-THIGH BR,SIT	.109	.195	.233	.225	.212	.177	.218	.255	.130	.074
70	HUMERAL BREADTH, R	.464	.498	.547	.485	.363	.244	.162	.258	.140	.129
71	HUMERAL BREADTH, L	.457	.495	.546	.496	.372	.245	.149	.260	.135	.123
72	FEMORAL BREADTH, R	.303	.303	.369	.336	.208	.187	.178	.201	.071	.064
73	FEMORAL BREADTH, L	.319	.318	.383	.350	.225	.194	.179	.211	.076	.067
74	CHEST DEPTH	.196	.254	.319	.266	.177	.180	.232	.237	.110	.049
75	WAIST DEPTH	.172	.220	.306	.246	.202	.128	.225	.234	.115	.055
76	ABDOMINAL EXT DPTH	.158	.215	.285	.253	.220	.147	.239	.247	.136	.069
77	BUTTOCK DEPTH	.151	.220	.296	.274	.252	.178	.176	.292	.146	.103
78	THIGH CLEARANCE	.346	.320	.392	.412	.297	.236	.179	.314	.127	.104
79	SHOULDER LENGTH	.314	.203	.197	.346	.206	.172	.063	.214	.121	.095
80	NECK-BUST POINT L	.204	.233	.274	.254	.121	.131	.204	.193	.095	.036
81	STRAP LENGTH	.221	.272	.327	.289	.173	.172	.227	.246	.122	.078
82	INTERSCYE	.122	.202	.232	.199	.147	.141	.170	.204	.126	.098
83	INTERSCYE, MAXIMUM	.208	.273	.297	.309	.159	.142	.175	.185	.080	.030
84	BACK CURVATURE	.185	.257	.264	.248	.181	.150	.208	.205	.047	.031
85	WAIST BACK	.334	.246	.259	.394	.207	.153	.040	.169	.113	.113
86	ANTERIOR WAIST LTH	.230	.226	.283	.284	.159	.126	.074	.159	.096	.109
87	SLEEVE INSEAM	.474	.256	.213	.572	.294	.195	.035	.249	.168	.185
88	SPINE-TO-SCYE LGTH	.191	.242	.283	.232	.130	.170	.183	.186	.079	.058
89	SPINE-TO-ELBOW LTH	.492	.378	.369	.561	.323	.280	.187	.326	.185	.167
90	SPINE-TO-WRIST LTH	.558	.414	.405	.647	.375	.298	.168	.358	.202	.193

TABLE XXIV

THE CORRELATION MATRIX FOR AGE AND FULL SAMPLE VARIABLES

		91	92	93	94	95	96	97	98	99	100
91	HAND LENGTH		.487	.481	.714	.380	.316	.133	.314	.188	.176
92	HAND BREADTH	.487		.736	.483	.447	.241	.231	.287	.099	.104
93	HAND CIRCUMFERENCE	.481	.736		.471	.484	.235	.186	.275	.108	.124
94	FOOT LENGTH	.714	.483	.471		.515	.330	.186	.398	.235	.234
95	FOOT BREADTH	.380	.447	.484	.515		.200	.128	.276	.187	.186
96	HEAD LENGTH	.316	.241	.235	.330	.200		.115	.692	.259	.269
97	HEAD BREADTH	.133	.231	.186	.186	.128	.115		.430	.260	.136
98	HEAD CIRCUMFERENCE	.314	.287	.275	.398	.276	.692	.430		.373	.359
99	TRAGION-TOP HEAD	.188	.099	.108	.235	.187	.259	.260	.373		.776
100	ECTOCANTHUS-TOP HD	.176	.104	.124	.234	.186	.269	.136	.359	.776	
101	PRONASALE-TOP HEAD	.179	.105	.121	.224	.156	.291	.117	.339	.600	.861
102	SUBNASALE-TOP HEAD	.205	.131	.132	.273	.195	.302	.123	.379	.640	.880
103	STOMION-TOP HEAD	.239	.143	.155	.297	.226	.336	.096	.400	.645	.866
104	MENTON-TOP HEAD	.309	.230	.212	.368	.281	.395	.165	.465	.656	.812
105	TRAGION TO WALL	.132	.071	.081	.192	.148	.384	.016	.332	.315	.234
106	ECTOCANTHUS-WALL	.213	.168	.167	.285	.232	.533	.086	.492	.375	.305
107	PRONASALE TO WALL	.285	.203	.223	.339	.257	.580	.078	.495	.351	.217
108	SUBNASALE TO WALL	.259	.165	.200	.311	.253	.523	.033	.463	.314	.155
109	LIP PROTRUSION-WALL	.243	.154	.179	.273	.227	.476	.033	.423	.285	.110
110	MENTON TO WALL	.168	.134	.190	.203	.175	.367	.067	.314	.203	-.003
111	SAGITTAL CURVATURE	.139	.223	.153	.241	.190	.454	.232	.594	.344	.361
112	BITRAGION-CORONAL	.236	.162	.192	.279	.205	.270	.420	.542	.524	.407
113	BIOCLAR BREADTH	.286	.131	.250	.265	.177	.208	.213	.257	.126	.148
114	BIAURICULAR BREADTH	.079	.004	.130	.169	.176	.064	.282	.217	.160	.156
115	BITRAGION BREADTH	.229	.275	.301	.267	.186	.158	.586	.408	.152	.112
116	BIZYGOMATIC BREADTH	.249	.295	.305	.236	.138	.113	.497	.299	.103	.031
117	BIGONIAL BREADTH	.210	.218	.294	.177	.122	.124	.337	.213	.028	.014
118	NASAL BREADTH	.229	.241	.205	.214	.215	.199	.175	.306	.152	.171
119	LIP LENGTH	.231	.252	.179	.160	.124	.161	.174	.209	.050	.056
120	MENTON-SUBNASALE L	.195	.111	.155	.237	.204	.259	.025	.226	.187	.151
121	MENTON-SELLION LTH	.270	.230	.220	.297	.216	.311	.174	.273	.159	.085
122	SUBNASALE-SELLION	.190	.193	.143	.209	.128	.176	.195	.178	.074	.006
123	EAR LENGTH	.165	.145	.182	.205	.162	.149	.080	.191	.089	.113
124	EAR BREADTH	.100	.062	.100	.148	.140	.103	-.000	.111	.037	.108
125	GRIP STRENGTH	.306	.401	.435	.322	.212	.174	.101	.180	.080	.093
139	STATURE-REPORTED	.608	.397	.380	.693	.361	.310	.143	.329	.237	.224
140	WEIGHT-REPORTED	.394	.411	.477	.520	.378	.310	.286	.400	.208	.162

TABLE XXIV

THE CORRELATION MATRIX FOR AGE AND FULL SAMPLE VARIABLES

		101	102	103	104	105	106	107	108	109	110
1	AGE	.096	.069	.057	.065	.086	.138	.146	.084	.069	.145
2	WEIGHT	.145	.183	.186	.272	.204	.291	.344	.311	.270	.303
3	TRICEPS SKINFOLD	.013	.014	.004	.033	.075	.092	.099	.082	.064	.132
4	SUBSCAPULAR SKINFOLD	-.020	-.001	-.014	.009	.085	.099	.104	.120	.121	.197
5	SUPRAILIAC SKINFOLD	-.026	-.019	-.021	.006	.081	.086	.099	.104	.105	.162
6	MEDIAL CALF SKINFOLD	-.011	.000	-.007	.013	.038	.026	.047	.037	.026	.071
7	STATURE	.240	.287	.294	.359	.177	.241	.280	.230	.163	.107
8	STATURE, MAXIMUM	.238	.284	.292	.358	.178	.242	.281	.233	.166	.108
9	CERVICAL HEIGHT	.199	.244	.254	.316	.188	.244	.289	.245	.184	.136
10	ACROMIAL HEIGHT	.195	.241	.247	.315	.188	.243	.287	.245	.185	.146
11	SUPRASTERNAL HEIGHT	.211	.259	.269	.335	.186	.247	.290	.248	.186	.135
12	BUSTPOINT HEIGHT	.192	.241	.245	.309	.187	.235	.269	.236	.179	.122
13	WAIST HEIGHT	.192	.235	.246	.302	.187	.241	.285	.253	.201	.145
14	ABDOMINAL EXTENSION HT	.190	.230	.246	.303	.184	.223	.268	.237	.187	.127
15	TROCHANTERIC HEIGHT	.189	.239	.250	.315	.195	.258	.292	.273	.231	.163
16	BUTTOCK HEIGHT	.145	.185	.206	.261	.184	.213	.251	.233	.193	.135
17	GLUTEAL FURROW HGT	.156	.195	.206	.245	.180	.220	.248	.230	.192	.136
18	TIBIAL HEIGHT	.174	.211	.221	.253	.188	.222	.259	.240	.190	.146
19	CROTCH HEIGHT	.176	.217	.236	.289	.194	.244	.269	.257	.217	.146
20	ANKLE HEIGHT	.100	.141	.133	.105	.150	.154	.151	.155	.119	.103
21	LAT'L MALLEOLUS HT	.093	.115	.102	.143	.050	.052	.090	.047	-.006	.003
22	SITTING HT, RELAXED	.226	.265	.262	.314	.100	.162	.201	.134	.057	.037
23	SITTING HEIGHT	.227	.269	.265	.320	.115	.184	.221	.154	.078	.054
24	EYE HEIGHT, SITTING	.110	.143	.145	.201	.091	.140	.195	.133	.070	.060
25	MIDSHOULDER HT, SIT	.137	.181	.176	.227	.128	.180	.220	.162	.101	.107
26	WAIST HGT, SITTING	.074	.100	.086	.109	.066	.101	.125	.086	.043	.066
27	ELBOW REST HEIGHT	-.009	.001	.001	.007	-.045	-.046	-.019	-.047	-.075	-.047
28	POPLITEAL HEIGHT	.123	.160	.185	.233	.135	.170	.216	.202	.165	.117
29	BUTTOCK-POPLIT'L L	.151	.179	.191	.248	.213	.255	.279	.274	.242	.209
30	BUTTOCK-KNEE LENGTH	.164	.208	.226	.291	.239	.296	.328	.315	.282	.232
31	ACROMION-RADIAL L	.161	.187	.195	.249	.140	.194	.236	.202	.169	.133
32	RADIAL-STYLION L	.187	.232	.243	.286	.217	.252	.280	.264	.231	.166
33	THUMB-TIP REACH	.189	.222	.235	.292	.186	.235	.270	.240	.208	.170
34	THUMB-TIP, EXTENDED	.156	.198	.196	.250	.203	.262	.278	.261	.232	.172
35	OVERHEAD REACH	.206	.265	.269	.329	.202	.278	.305	.283	.231	.162
36	NECK CIRCUMFERENCE	.087	.159	.145	.237	.183	.264	.262	.250	.216	.213
37	SHOULDER CIRCUMFERENCE	.110	.140	.138	.206	.167	.239	.284	.261	.233	.291
38	CHEST CIRC AT SCYE	.087	.113	.106	.166	.163	.227	.277	.246	.221	.299
39	BUST CIRCUMFERENCE	.063	.083	.080	.134	.165	.213	.264	.236	.214	.287
40	CHEST C BELOW BUST	.076	.101	.094	.154	.138	.197	.244	.212	.187	.263
41	WAIST CIRCUMFERENCE	.034	.067	.062	.134	.150	.207	.235	.229	.213	.280
42	ABDOMINAL EXT CIRC	.015	.035	.016	.074	.094	.146	.178	.154	.125	.214
43	HIP C-7" BLW WAIST	.063	.094	.088	.162	.165	.226	.266	.241	.209	.267
44	HIP C-9" BLW WAIST	.085	.114	.110	.176	.160	.227	.264	.234	.195	.247
45	UPPER THIGH CIRCUM	.059	.072	.077	.136	.134	.189	.231	.214	.187	.241

TABLE XXIV

THE CORRELATION MATRIX FOR AGE AND FULL SAMPLE VARIABLES

		101	102	103	104	105	106	107	108	109	110
46	KNEE CIRCUMFERENCE	.128	.156	.164	.222	.160	.218	.264	.237	.199	.222
47	CALF CIRCUM, RIGHT	.106	.139	.144	.202	.126	.195	.244	.215	.180	.196
48	CALF CIRCUM, LEFT	.100	.133	.137	.196	.126	.200	.250	.220	.186	.199
49	ANKLE CIRCUMFERENCE	.127	.163	.169	.221	.113	.177	.240	.205	.159	.160
50	VERTICAL TRUNK CIR	.149	.192	.180	.255	.192	.262	.306	.248	.192	.214
51	VERT TRUNK CIR,SIT	.143	.184	.172	.241	.173	.235	.278	.223	.166	.186
52	BUTTOCK CIRC, SIT	.083	.111	.111	.181	.162	.233	.276	.243	.208	.263
53	SCYE CIRCUMFERENCE	.096	.118	.117	.181	.171	.225	.259	.231	.203	.259
54	AXILLARY ARM CIRC	.030	.053	.042	.098	.142	.189	.213	.197	.176	.255
55	BICEPS CIR,RELAX,R	.056	.070	.062	.115	.130	.191	.225	.201	.178	.251
56	BICEPS CIR, FLEX,R	.068	.080	.075	.131	.132	.194	.231	.205	.183	.245
57	BICEPS CIR,RELAX,L	.058	.075	.064	.117	.136	.196	.222	.197	.170	.245
58	BICEPS CIR, FLEX,L	.059	.073	.065	.118	.139	.197	.228	.203	.179	.249
59	ELBOW CIRC, FLEXED	.149	.170	.190	.237	.151	.217	.265	.236	.210	.217
60	FOREARM CIR, RELAX	.118	.146	.152	.227	.173	.259	.301	.276	.241	.286
61	FOREARM CIR,FLEXED	.125	.146	.158	.223	.156	.236	.282	.258	.232	.274
62	WRIST CIRCUMFERENCE	.123	.152	.175	.235	.140	.208	.268	.244	.213	.226
63	BIACROMIAL BREADTH	.201	.240	.238	.300	.169	.244	.268	.231	.191	.181
64	BIDELTOID BREADTH	.101	.135	.129	.194	.166	.231	.272	.250	.224	.280
65	CHEST BREADTH	.098	.133	.125	.188	.137	.204	.232	.211	.182	.238
66	BUSTPT-BUSTPT BRTH	.070	.088	.087	.143	.157	.201	.231	.214	.187	.218
67	WAIST BREADTH	.053	.086	.087	.152	.122	.183	.227	.209	.191	.248
68	HIP BREADTH	.076	.100	.093	.145	.111	.179	.215	.181	.146	.183
69	THIGH-THIGH BR,SIT	.065	.085	.076	.128	.105	.175	.206	.170	.135	.187
70	HUMERAL BREADTH, R	.127	.144	.157	.221	.122	.183	.232	.193	.159	.178
71	HUMERAL BREADTH, L	.128	.145	.160	.222	.129	.184	.227	.193	.162	.179
72	FEMORAL BREADTH, R	.073	.078	.082	.126	.027	.071	.121	.093	.078	.106
73	FEMORAL BREADTH, L	.077	.084	.087	.133	.032	.079	.134	.102	.084	.110
74	CHEST DEPTH	.022	.038	.041	.085	.160	.207	.250	.235	.220	.275
75	WAIST DEPTH	.019	.038	.038	.098	.111	.162	.188	.184	.182	.231
76	ABDOMINAL EXT DPTH	.021	.042	.041	.101	.131	.186	.213	.207	.200	.245
77	BUTTOCK DEPTH	.069	.100	.104	.161	.176	.232	.255	.250	.236	.261
78	THIGH CLEARANCE	.073	.097	.123	.181	.146	.190	.241	.238	.218	.186
79	SHOULDER LENGTH	.121	.145	.144	.181	.123	.193	.208	.183	.162	.129
80	NECK-BUST POINT L	.047	.050	.056	.077	.076	.124	.160	.125	.114	.141
81	STRAP LENGTH	.089	.103	.105	.147	.100	.156	.186	.148	.125	.158
82	INTERSCYE	.079	.102	.089	.137	.115	.148	.173	.157	.141	.191
83	INTERSCYE, MAXIMUM	.065	.074	.067	.093	.079	.103	.157	.125	.096	.163
84	BACK CURVATURE	.022	.047	.037	.092	.080	.118	.155	.126	.109	.171
85	WAIST BACK	.110	.143	.146	.177	.089	.128	.159	.124	.079	.061
86	ANTERIOR WAIST LTH	.105	.130	.135	.169	.096	.117	.132	.101	.062	.063
87	SLEEVE INSEAM	.184	.227	.238	.260	.198	.242	.254	.243	.210	.132
88	SPINE-TO-SCYE LGTH	.076	.077	.082	.116	.045	.084	.132	.096	.069	.117
89	SPINE-TO-ELBOW LTH	.186	.216	.222	.285	.175	.249	.281	.239	.192	.180
90	SPINE-TO-WRIST LTH	.207	.247	.257	.324	.217	.289	.321	.290	.244	.210

TABLE XXIV

THE CORRELATION MATRIX FOR AGE AND FULL SAMPLE VARIABLES

		101	102	103	104	105	106	107	108	109	110
91	HAND LENGTH	.179	.205	.239	.309	.132	.213	.285	.259	.243	.168
92	HAND BREADTH	.105	.131	.143	.230	.071	.168	.203	.165	.154	.134
93	HAND CIRCUMFERENCE	.121	.132	.155	.212	.081	.167	.223	.200	.179	.190
94	FOOT LENGTH	.224	.273	.297	.368	.192	.285	.339	.311	.273	.203
95	FOOT BREADTH	.156	.195	.226	.281	.148	.232	.257	.253	.227	.175
96	HEAD LENGTH	.291	.302	.336	.395	.384	.533	.580	.523	.476	.367
97	HEAD BREADTH	.117	.123	.096	.165	.016	.086	.078	.033	.033	.067
98	HEAD CIRCUMFERENCE	.339	.379	.400	.465	.332	.492	.495	.463	.423	.314
99	TRAGION-TOP HEAD	.600	.640	.645	.656	.315	.375	.351	.314	.285	.203
100	ECTOCANTHUS-TOP HD	.861	.880	.866	.812	.234	.305	.217	.155	.110	-.003
101	PRONASALE-TOP HEAD		.943	.901	.819	.157	.242	.137	.042	-.025	-.141
102	SUBNASALE-TOP HEAD	.943		.945	.878	.201	.300	.195	.111	.040	-.104
103	STOMION-TOP HEAD	.901	.945		.900	.226	.322	.233	.165	.097	-.084
104	MENTON-TOP HEAD	.819	.878	.900		.265	.383	.300	.229	.176	-.009
105	TRAGION TO WALL	.157	.201	.226	.265		.860	.731	.739	.716	.618
106	ECTOCANTHUS-WALL	.242	.300	.322	.383	.860		.833	.830	.798	.670
107	PRONASALE TO WALL	.137	.195	.233	.300	.731	.833		.935	.885	.780
108	SUBNASALE TO WALL	.042	.111	.165	.229	.739	.830	.935		.948	.838
109	LIP PROTRUS/N-WALL	-.025	.040	.097	.176	.716	.798	.885	.948		.864
110	MENTON TO WALL	-.141	-.104	-.084	-.009	.618	.670	.780	.838	.864	
111	SAGITTAL CURVATURE	.333	.371	.356	.407	.210	.341	.299	.254	.224	.135
112	BITRAGION-CORONAL	.349	.363	.382	.405	.122	.202	.198	.176	.162	.109
113	BIOCULAR BREADTH	.183	.157	.196	.169	.029	.056	.115	.111	.095	.105
114	BIAURICULAR BROTH	.192	.174	.177	.110	.059	.055	.079	.055	.014	.075
115	BITRAGION BREADTH	.137	.155	.149	.191	.041	.160	.161	.140	.114	.160
116	BIZYGOMATIC BROTH	.045	.064	.080	.134	-.029	.069	.079	.066	.062	.085
117	BIGONIAL BREADTH	.038	.018	.046	.050	-.050	.012	.040	.037	.036	.094
118	NASAL BREADTH	.130	.160	.164	.243	.128	.235	.224	.247	.302	.204
119	LIP LENGTH	.029	.041	.060	.125	.014	.073	.124	.127	.180	.108
120	MENTON-SUBNASALE L	.115	.141	.247	.388	.165	.214	.198	.211	.210	.050
121	MENTON-SELLION LTH	.152	.175	.227	.417	.131	.204	.260	.197	.166	.040
122	SUBNASALE-SELLION	.146	.150	.117	.199	.024	.081	.187	.100	.047	.010
123	EAR LENGTH	.148	.159	.164	.165	.087	.126	.142	.117	.090	.094
124	EAR BREADTH	.133	.137	.155	.135	.111	.123	.152	.151	.122	.107
125	GRIP STRENGTH	.110	.123	.127	.169	.103	.173	.181	.165	.137	.163
139	STATURE-REPORTED	.227	.273	.281	.346	.180	.245	.287	.238	.178	.129
140	WEIGHT-REPORTED	.152	.188	.193	.277	.198	.285	.336	.301	.257	.289

TABLE XXIV

THE CORRELATION MATRIX FOR AGE AND FULL SAMPLE VARIABLES

		111	112	113	114	115	116	117	118	119	120
1	AGE	.096	.067	.086	.123	.245	.089	.146	.063	.044	.038
2	WEIGHT	.237	.303	.234	.216	.392	.358	.347	.100	.083	.211
3	TRICEPS SKINFOLD	.035	.124	.081	.116	.208	.207	.235	-.047	-.049	.052
4	SUBSCAPULAR SKINFOLD	.033	.129	.064	.105	.207	.189	.222	.055	-.012	.042
5	SUPRAILIAC SKINFOLD	-.025	.124	.118	.050	.167	.234	.272	-.007	.009	.035
6	MEDIAL CALF SKINFOLD	.041	.083	-.022	.028	.111	.131	.091	-.099	-.068	-.004
7	STATURE	.279	.243	.192	.152	.228	.199	.142	.032	.061	.181
8	STATURE, MAXIMUM	.280	.245	.196	.152	.229	.199	.144	.035	.067	.183
9	CERVICAL HEIGHT	.245	.214	.203	.138	.221	.203	.152	.041	.074	.169
10	ACROMIAL HEIGHT	.242	.219	.194	.146	.237	.206	.158	.040	.064	.176
11	SUPRASTERNAL HEIGHT	.244	.216	.202	.144	.222	.203	.146	.057	.072	.180
12	BUST POINT HEIGHT	.225	.180	.177	.133	.188	.162	.098	.049	.048	.164
13	WAIST HEIGHT	.217	.211	.211	.135	.222	.200	.150	.065	.093	.165
14	ABDOMINAL EXTENSION HT	.196	.195	.204	.110	.186	.186	.130	.072	.094	.161
15	TROCHANTERIC HEIGHT	.199	.214	.184	.126	.193	.148	.090	.110	.083	.181
16	BUTTOCK HEIGHT	.165	.198	.196	.099	.181	.192	.150	.090	.100	.164
17	GLUTEAL FURROW HEIGHT	.172	.179	.155	.088	.152	.145	.093	.070	.067	.123
18	TIBIAL HEIGHT	.198	.165	.187	.114	.178	.177	.120	.087	.090	.108
19	CROTCH HEIGHT	.196	.197	.198	.100	.174	.172	.112	.114	.105	.167
20	ANKLE HEIGHT	.191	.027	-.032	.054	.075	-.019	-.017	.066	-.026	.006
21	LAT'AL MALLEOLUS HT	.081	.091	.107	.024	.125	.160	.124	-.035	.015	.036
22	SITTING HT, RELAXED	.296	.215	.114	.159	.193	.144	.124	-.081	-.003	.145
23	SITTING HEIGHT	.311	.232	.116	.165	.204	.146	.128	-.066	-.006	.155
24	EYE HEIGHT, SITTING	.215	.154	.108	.123	.170	.141	.138	-.090	.005	.138
25	MIDSHOULDER HT, SIT	.251	.175	.091	.158	.213	.129	.138	-.068	-.022	.132
26	WAIST HEIGHT, SITTING	.144	.097	.079	.111	.160	.115	.128	-.075	-.022	.059
27	ELBOW REST HEIGHT	.074	.015	.026	.022	.041	.051	.080	-.127	-.025	.023
28	POPLITEAL HEIGHT	.112	.156	.215	.049	.149	.189	.144	.116	.137	.137
29	BUTTOCK-POPLIT'AL L	.170	.212	.209	.115	.197	.192	.143	.137	.114	.169
30	BUTTOCK-KNEE LENGTH	.197	.240	.221	.130	.245	.234	.180	.137	.120	.203
31	ACROMION-RADIAL L	.156	.185	.188	.104	.206	.188	.144	.080	.099	.148
32	RADIAL-STYLION L	.223	.179	.165	.097	.175	.136	.065	.175	.105	.157
33	THUMB-TIP REACH	.162	.181	.161	.107	.210	.177	.134	.138	.091	.142
34	THUMB-TIP, EXTENDED	.230	.187	.104	.125	.176	.088	.072	.123	.038	.158
35	OVERHEAD REACH	.240	.213	.140	.136	.211	.152	.094	.095	.062	.179
36	NECK CIRCUMFERENCE	.312	.229	.044	.065	.367	.317	.202	.217	.130	.114
37	SHOULDER CIRCUMFERENCE	.189	.235	.182	.206	.362	.313	.327	.109	.085	.159
38	CHEST CIRC AT SCYE	.188	.207	.155	.182	.347	.277	.306	.083	.063	.129
39	BUST CIRCUMFERENCE	.152	.213	.153	.159	.309	.273	.306	.067	.063	.128
40	CHEST C BELOW BUST	.153	.204	.166	.200	.340	.299	.325	.053	.060	.116
41	WAIST CIRCUMFERENCE	.127	.224	.164	.193	.353	.310	.303	.101	.050	.139
42	ABDOMINAL EXT CIRC	.113	.181	.117	.165	.317	.291	.289	-.001	.012	.087
43	HIP C-7" BLW WAIST	.159	.214	.161	.174	.329	.290	.279	.051	.027	.144
44	HIP C-9" BLW WAIST	.190	.212	.147	.184	.321	.269	.257	.023	.005	.141
45	UPPER THIGH CIRCUM	.137	.194	.154	.156	.281	.269	.287	.035	.026	.129

TABLE XXIV

THE CORRELATION MATRIX FOR AGE AND FULL SAMPLE VARIABLES

		111	112	113	114	115	116	117	118	119	120
46	KNEE CIRCUMFERENCE	.182	.231	.199	.193	.333	.310	.289	.073	.039	.165
47	CALF CIRCUM, RIGHT	.159	.198	.152	.163	.288	.245	.241	.043	.025	.148
48	CALF CIRCUM, LEFT	.170	.212	.148	.158	.285	.237	.232	.050	.031	.146
49	ANKLE CIRCUMFERNCE	.176	.180	.164	.154	.267	.236	.207	.059	.042	.141
50	VERTICAL TRUNK CIR	.276	.215	.105	.195	.300	.199	.211	.001	-.008	.169
51	VERT TRUNK CIR,SIT	.267	.213	.111	.185	.286	.196	.192	-.031	-.015	.153
52	BUTTOCK CIRC, SIT	.190	.226	.164	.189	.331	.276	.284	.048	.038	.156
53	SCYE CIRCUMFERENCE	.177	.199	.150	.165	.312	.259	.266	.075	.044	.152
54	AXILLARY ARM CIRC	.133	.171	.108	.143	.295	.259	.285	.054	.018	.100
55	BICEPS CIR,RELAX,R	.128	.188	.141	.155	.302	.255	.284	.049	.014	.121
56	BICEPS CIR, FLEX,R	.132	.197	.161	.151	.308	.270	.299	.073	.035	.137
57	BICEPS CIR,RELAX,L	.133	.191	.122	.154	.301	.252	.270	.049	-.002	.115
58	BICEPS CIR, FLEX,L	.133	.186	.140	.141	.301	.256	.280	.066	.019	.121
59	ELBOW CIRC, FLEXED	.178	.179	.194	.121	.240	.230	.197	.138	.074	.172
60	FOREARM CIR, RELAX	.189	.240	.212	.192	.360	.315	.322	.137	.066	.184
61	FOREARM CIR,FLEXED	.180	.239	.233	.178	.344	.322	.318	.139	.074	.175
62	WRIST CIRCUMFERNCE	.159	.235	.267	.181	.352	.314	.299	.141	.121	.189
63	BIACROMIAL BREADTH	.227	.186	.146	.179	.291	.211	.141	.119	.067	.147
64	BIDELTOID BREADTH	.177	.218	.141	.186	.346	.283	.299	.095	.052	.151
65	CHEST BREADTH	.186	.209	.162	.208	.316	.273	.276	.068	.057	.152
66	BUSTPT-BUSTPT BRTH	.096	.157	.137	.084	.213	.221	.203	.079	.067	.123
67	WAIST BREADTH	.148	.231	.163	.193	.339	.296	.294	.081	.071	.132
68	HIP BREADTH	.184	.172	.092	.160	.266	.215	.200	-.022	-.004	.113
69	THIGH-THIGH BR,SIT	.178	.187	.099	.152	.270	.221	.225	-.017	-.010	.117
70	HUMERAL BREADTH, R	.158	.190	.211	.100	.263	.265	.248	.096	.102	.130
71	HUMERAL BREADTH, L	.147	.190	.208	.099	.256	.259	.240	.095	.110	.143
72	FEMORAL BREADTH, R	.109	.153	.236	.125	.250	.292	.305	.055	.117	.115
73	FEMORAL BREADTH, L	.109	.157	.247	.130	.270	.309	.325	.055	.119	.128
74	CHEST DEPTH	.112	.192	.152	.151	.287	.246	.290	.057	.071	.133
75	WAIST DEPTH	.117	.197	.143	.133	.297	.267	.297	.120	.084	.117
76	ABDOMINAL EXT DPTH	.128	.205	.128	.122	.278	.240	.267	.088	.051	.130
77	BUTTOCK DEPTH	.161	.208	.105	.137	.240	.177	.201	.076	.020	.150
78	THIGH CLEARANCE	.149	.219	.198	.126	.239	.251	.261	.119	.114	.173
79	SHOULDER LENGTH	.150	.104	.076	.120	.139	.081	.025	.079	.049	.087
80	NECK-BUST POINT L	.124	.176	.128	.103	.230	.208	.242	.036	.097	.082
81	STRAP LENGTH	.151	.206	.151	.132	.279	.257	.268	.058	.087	.112
82	INTERSCYE	.141	.159	.118	.114	.230	.184	.225	.066	.054	.074
83	INTERSCYE, MAXIMUM	.143	.155	.183	.144	.255	.247	.258	-.005	.041	.054
84	BACK CURVATURE	.096	.150	.111	.137	.265	.248	.252	-.001	.041	.079
85	WAIST BACK	.178	.134	.087	.095	.099	.076	.058	-.011	-.007	.100
86	ANTERIOR WAIST LTH	.114	.098	.081	.107	.127	.134	.124	.005	-.001	.089
87	SLEEVE INSEAM	.204	.147	.130	.104	.126	.084	.000	.120	.060	.119
88	SPINE-TO-SCYE LGTH	.108	.130	.177	.120	.226	.224	.244	.030	.085	.073
89	SPINE-TO-ELBOW LTH	.233	.223	.195	.185	.291	.234	.182	.061	.076	.162
90	SPINE-TO-WRIST LTH	.254	.232	.220	.177	.289	.236	.163	.119	.101	.187

TABLE XXIV

THE CORRELATION MATRIX FOR AGE AND FULL SAMPLE VARIABLES

		111	112	113	114	115	116	117	118	119	120
91	HAND LENGTH	.139	.236	.286	.079	.229	.249	.210	.229	.231	.195
92	HAND BREADTH	.223	.162	.131	.004	.275	.295	.218	.241	.252	.111
93	HAND CIRCUMFERENCE	.153	.192	.250	.130	.301	.305	.294	.205	.179	.155
94	FOOT LENGTH	.241	.279	.265	.169	.267	.236	.177	.214	.160	.237
95	FOOT BREADTH	.190	.205	.177	.176	.186	.138	.122	.215	.124	.204
96	HEAD LENGTH	.454	.270	.208	.064	.158	.113	.124	.199	.161	.259
97	HEAD BREADTH	.232	.420	.213	.282	.586	.497	.337	.175	.174	.025
98	HEAD CIRCUMFERENCE	.594	.542	.257	.217	.408	.299	.213	.306	.209	.226
99	TRAGION-TOP HEAD	.344	.524	.126	.160	.152	.103	.028	.152	.050	.187
100	ECTOCANTHUS-TOP HD	.361	.407	.148	.156	.112	.031	.014	.171	.056	.151
101	PRONASALE-TOP HEAD	.333	.349	.183	.192	.137	.045	.038	.130	.029	.115
102	SUBNASALE-TOP HEAD	.371	.363	.157	.174	.155	.064	.018	.160	.041	.141
103	STOMION-TOP HEAD	.356	.382	.196	.177	.149	.080	.046	.164	.060	.247
104	MENTON-TOP HEAD	.407	.405	.169	.110	.191	.134	.050	.243	.125	.388
105	TRAGION TO WALL	.210	.122	.029	.059	.041	-.029	-.050	.128	.014	.165
106	ECTOCANTHUS-WALL	.341	.202	.056	.055	.160	.069	.012	.235	.073	.214
107	PRONASALE TO WALL	.299	.198	.115	.079	.161	.079	.040	.224	.124	.198
108	SUBNASALE TO WALL	.254	.176	.111	.055	.140	.066	.037	.247	.127	.211
109	LIP PROTRUS'N-WALL	.224	.162	.095	.014	.114	.062	.036	.302	.180	.210
110	MENTON TO WALL	.135	.109	.105	.075	.160	.085	.094	.204	.108	.050
111	SAGITTAL CURVATURE		.411	-.007	.082	.206	.076	.032	.217	.122	.107
112	BITRAGION-CORONAL	.411		.299	.272	.309	.269	.242	.183	.093	.211
113	BIOCULAR BREADTH	-.007	.299		.302	.371	.426	.413	.177	.205	.183
114	BIAURICULAR BRDTH	.082	.272	.302		.375	.152	.225	-.062	-.107	.111
115	BITRAGION BREADTH	.206	.309	.371	.375		.716	.527	.190	.158	.052
116	BIZYGOMATIC BRDTH	.076	.269	.426	.152	.716		.567	.174	.250	.015
117	BIGONIAL BREADTH	.032	.242	.413	.225	.527	.567		.143	.232	.069
118	NASAL BREADTH	.217	.183	.177	-.062	.190	.174	.143		.526	.107
119	LIP LENGTH	.122	.093	.205	-.107	.158	.250	.232	.526		.070
120	MENTON-SUBNASALE L	.107	.211	.183	.111	.052	.015	.069	.107	.070	
121	MENTON-SELLION LTH	.168	.217	.160	.077	.186	.144	.138	.133	.128	.633
122	SUBNASALE-SELLION	.149	.123	.089	.046	.200	.122	.108	.114	.102	.116
123	EAR LENGTH	.147	.144	.165	.208	.151	.065	.103	.112	.032	.114
124	EAR BREADTH	.000	.051	.153	.109	.107	-.012	.048	.087	.004	.119
125	GRIP STRENGTH	.151	.093	.140	.129	.178	.133	.145	.077	.056	.110
139	STATURE-REPORTED	.266	.246	.197	.158	.242	.214	.153	.049	.072	.178
140	WEIGHT-REPORTED	.245	.294	.244	.224	.396	.356	.346	.093	.083	.217

TABLE XXIV

THE CORRELATION MATRIX FOR AGE AND FULL SAMPLE VARIABLES

		121	122	123	124	125	139	140
1	AGE	.189	.259	.271	.137	.150	.055	.254
2	WEIGHT	.264	.165	.280	.139	.361	.560	.973
3	TRICEPS SKINFOLD	.054	.031	.122	.042	.094	.100	.562
4	SUBSCAPULAR SKINFOLD	.035	.003	.137	.029	.064	.034	.545
5	SUPRAILAC SKINFOLD	.025	-.027	.083	.010	.064	.128	.558
6	MEDIAL CALF SKINFOLD	-.024	-.011	.069	-.019	-.022	.035	.332
7	STATURE	.267	.180	.175	.104	.295	.961	.554
8	STATURE, MAXIMUM	.269	.180	.177	.107	.298	.963	.554
9	CERVICAL HEIGHT	.253	.168	.161	.101	.288	.955	.559
10	ACROMIAL HEIGHT	.249	.160	.163	.102	.296	.940	.571
11	SUPRASTERNAL HEIGHT	.256	.162	.171	.108	.300	.950	.571
12	BUST POINT HEIGHT	.222	.132	.140	.101	.253	.898	.476
13	WAIST HEIGHT	.225	.138	.149	.107	.254	.897	.516
14	ABDOMINAL EXTENSION HT	.216	.128	.105	.101	.253	.880	.450
15	TROCHANTERIC HEIGHT	.224	.118	.142	.118	.237	.839	.473
16	BUTTOCK HEIGHT	.202	.104	.120	.101	.229	.833	.478
17	GLUTEAL FURROW HEIGHT	.158	.080	.088	.066	.215	.803	.381
18	TIBIAL HEIGHT	.179	.125	.117	.105	.247	.773	.426
19	CROTCH HEIGHT	.205	.107	.110	.100	.246	.844	.447
20	ANKLE HEIGHT	.029	.080	.075	.093	.141	.306	.163
21	LAT'AL MALLEOLUS HT	.118	.087	.056	.040	.098	.413	.253
22	SITTING HT, RELAXED	.238	.179	.150	.067	.244	.745	.468
23	SITTING HEIGHT	.248	.191	.168	.068	.252	.766	.497
24	EYE HEIGHT, SITTING	.240	.188	.130	.050	.232	.710	.465
25	MIDSHOULDER HT, SIT	.202	.148	.154	.061	.249	.697	.513
26	WAIST HEIGHT, SITTING	.105	.088	.111	.021	.116	.383	.392
27	ELBOW REST HEIGHT	.053	.057	.015	-.046	.035	.185	.163
28	POPLITEAL HEIGHT	.185	.099	.096	.083	.216	.712	.387
29	BUTTOCK-POPLIT'AL L	.180	.091	.167	.127	.208	.661	.571
30	BUTTOCK-KNEE LENGTH	.211	.104	.185	.143	.280	.778	.694
31	ACROMION-RADIAL L	.205	.131	.169	.104	.244	.724	.458
32	RADIAL-STYLION L	.193	.124	.157	.137	.230	.652	.388
33	THUMB-TIP REACH	.217	.157	.148	.114	.248	.648	.435
34	THUMB-TIP, EXTENDED	.216	.151	.156	.111	.263	.616	.424
35	OVERHEAD REACH	.222	.145	.159	.130	.292	.846	.493
36	NECK CIRCUMFERENCE	.206	.163	.185	.052	.259	.332	.569
37	SHOULDER CIRCUMFERENCE	.217	.134	.248	.127	.380	.364	.815
38	CHEST CIRC AT SCYE	.182	.135	.277	.126	.341	.316	.785
39	BUST CIRCUMFERENCE	.176	.126	.266	.110	.281	.287	.780
40	CHEST C BELOW BUST	.184	.145	.251	.104	.294	.318	.772
41	WAIST CIRCUMFERENCE	.174	.110	.249	.106	.258	.306	.801
42	ABDOMINAL EXT CIRC	.129	.087	.234	.072	.196	.264	.773
43	HIP C-7" BLW WAIST	.181	.117	.242	.106	.257	.373	.866
44	HIP C-9" BLW WAIST	.180	.118	.229	.101	.257	.385	.861
45	UPPER THIGH CIRCUM	.142	.074	.180	.079	.239	.288	.810

TABLE XXIV

THE CORRELATION MATRIX FOR AGE AND FULL SAMPLE VARIABLES

		121	122	123	124	125	139	140
46	KNEE CIRCUMFERENCE	.196	.137	.209	.124	.259	.406	.796
47	CALF CIRCUM, RIGHT	.154	.084	.166	.097	.266	.322	.720
48	CALF CIRCUM, LEFT	.155	.091	.173	.101	.269	.325	.715
49	ANKLE CIRCUMFERNCE	.165	.105	.171	.091	.263	.368	.573
50	VERTICAL TRUNK CIR	.245	.187	.269	.124	.291	.621	.783
51	VERT TRUNK CIR,SIT	.234	.182	.240	.114	.293	.677	.739
52	BUTTOCK CIRC, SIT	.203	.131	.250	.115	.263	.407	.878
53	SCYE CIRCUMFERENCE	.182	.104	.249	.112	.358	.393	.759
54	AXILLARY ARM CIRC	.135	.084	.230	.089	.279	.203	.766
55	BICEPS CIR,RELAX,R	.138	.095	.246	.101	.284	.178	.774
56	BICEPS CIR, FLEX,R	.162	.108	.249	.110	.321	.200	.778
57	BICEPS CIR,RELAX,L	.143	.099	.252	.103	.268	.173	.777
58	BICEPS CIR, FLEX,L	.158	.107	.259	.107	.296	.193	.777
59	ELBOW CIRC, FLEXED	.212	.117	.214	.129	.351	.421	.559
60	FOREARM CIR, RELAX	.219	.142	.229	.124	.424	.338	.781
61	FOREARM CIR,FLEXED	.206	.127	.215	.118	.424	.338	.751
62	WRIST CIRCUMFERNCE	.231	.158	.212	.142	.399	.472	.632
63	BIACROMIAL BREADTH	.266	.194	.187	.134	.334	.463	.498
64	BIDELTOID BREADTH	.207	.139	.245	.125	.341	.329	.777
65	CHEST BREADTH	.194	.123	.213	.087	.307	.304	.689
66	BUSTPT-BUSTPT BRTH	.156	.079	.192	.093	.207	.238	.578
67	WAIST BREADTH	.182	.121	.224	.101	.280	.362	.747
68	HIP BREADTH	.155	.109	.196	.089	.207	.373	.751
69	THIGH-THIGH BR,SIT	.163	.120	.198	.080	.198	.269	.760
70	HUMERAL BREADTH, R	.222	.146	.129	.070	.368	.493	.537
71	HUMERAL BREADTH, L	.213	.139	.138	.083	.359	.496	.542
72	FEMORAL BREADTH, R	.163	.103	.117	.062	.230	.350	.488
73	FEMORAL BREADTH, L	.190	.123	.123	.064	.240	.357	.514
74	CHEST DEPTH	.152	.103	.260	.106	.222	.260	.726
75	WAIST DEPTH	.155	.098	.239	.085	.151	.216	.715
76	ABDOMINAL EXT DPTH	.153	.086	.249	.083	.135	.233	.763
77	BUTTOCK DEPTH	.124	.056	.211	.119	.226	.268	.769
78	THIGH CLEARANCE	.155	.063	.177	.114	.248	.446	.695
79	SHOULDER LENGTH	.162	.121	.087	.067	.188	.362	.280
80	NECK-BUST POINT L	.162	.143	.197	.061	.201	.286	.567
81	STRAP LENGTH	.205	.163	.217	.086	.253	.340	.648
82	INTERSCYE	.141	.098	.160	.092	.243	.210	.526
83	INTERSCYE, MAXIMUM	.164	.150	.189	.069	.283	.367	.562
84	BACK CURVATURE	.125	.097	.174	.053	.255	.267	.592
85	WAIST BACK	.154	.126	.099	.051	.221	.580	.313
86	ANTERIOR WAIST LTH	.129	.073	.149	.045	.201	.450	.454
87	SLEEVE INSEAM	.151	.095	.120	.107	.212	.696	.303
88	SPINE-TO-SCYE LGTH	.161	.100	.094	.058	.278	.267	.435
89	SPINE-TO-ELBOW LTH	.247	.154	.173	.129	.350	.684	.581
90	SPINE-TO-WRIST LTH	.266	.165	.188	.156	.360	.760	.579

TABLE XXIV

THE CORRELATION MATRIX FOR AGE AND FULL SAMPLE VARIABLES

		121	122	123	124	125	139	140
91	HAND LENGTH	.270	.190	.165	.100	.306	.608	.394
92	HAND BREADTH	.230	.193	.145	.062	.401	.397	.411
93	HAND CIRCUMFERENCE	.220	.143	.182	.100	.435	.380	.477
94	FOOT LENGTH	.297	.209	.205	.148	.322	.693	.520
95	FOOT BREADTH	.216	.128	.162	.140	.212	.361	.378
96	HEAD LENGTH	.311	.176	.149	.103	.174	.310	.310
97	HEAD BREADTH	.174	.195	.080	-.000	.101	.143	.286
98	HEAD CIRCUMFERENCE	.273	.178	.191	.111	.180	.329	.400
99	TRAGION-TOP HEAD	.159	.074	.089	.037	.080	.237	.208
100	ECTOCANTHUS-TOP HD	.085	.006	.113	.108	.093	.224	.162
101	PRONASALE-TOP HEAD	.152	.146	.148	.133	.110	.227	.152
102	SUBNASALE-TOP HEAD	.175	.150	.159	.137	.123	.273	.188
103	STOMION-TOP HEAD	.227	.117	.164	.155	.127	.281	.193
104	MENTON-TOP HEAD	.417	.199	.165	.135	.169	.346	.277
105	TRAGION TO WALL	.131	.024	.087	.111	.103	.180	.198
106	ECTOCANTHUS-WALL	.204	.081	.126	.123	.173	.245	.285
107	PRONASALE TO WALL	.260	.187	.142	.152	.181	.287	.336
108	SUBNASALE TO WALL	.197	.100	.117	.151	.165	.238	.301
109	LIP PROTRUS'N-WALL	.166	.047	.090	.122	.137	.178	.257
110	MENTON TO WALL	.040	.010	.094	.107	.163	.129	.289
111	SAGITTAL CURVATURE	.168	.149	.147	.000	.151	.266	.245
112	BITRAGION-CORONAL	.217	.123	.144	.051	.093	.246	.294
113	BIOCULAR BREADTH	.160	.089	.165	.153	.140	.197	.244
114	BIAURICULAR BRDTH	.077	.046	.208	.109	.129	.158	.224
115	BITRAGION BREADTH	.186	.200	.151	.107	.178	.242	.396
116	BIZYGOMATIC BRDTH	.144	.122	.065	-.012	.133	.214	.356
117	BIGONIAL BREADTH	.138	.108	.103	.048	.145	.153	.346
118	NASAL BREADTH	.133	.114	.112	.087	.077	.049	.093
119	LIP LENGTH	.128	.102	.032	.004	.056	.072	.083
120	MENTON-SUBNASALE L	.633	.116	.114	.119	.110	.178	.217
121	MENTON-SELLION LTH		.592	.167	.115	.163	.259	.277
122	SUBNASALE-SELLION		.592	.160	.087	.111	.179	.177
123	EAR LENGTH		.167	.160	.288	.172	.179	.293
124	EAR BREADTH		.115	.087	.288	.085	.111	.137
125	GRIP STRENGTH		.163	.111	.172	.085	.309	.363
139	STATURE-REPORTED		.259	.179	.179	.111	.309	.580
140	WEIGHT-REPORTED		.277	.177	.293	.137	.363	.580

A variety of analyses involving more than two variables requires a knowledge of the correlation coefficients of all pairs of the variables as computed on the same sample. It would be inappropriate, for example, to use correlations as listed in table XXIV along with correlations made over foundation garments, since the first is based on one group of women (the total series) and the second one is based on an overlapping but nonetheless different group. To provide the proper correlation coefficients for use in problems involving the over-foundation-garment measurements, table XXV lists the correlation coefficients for a set of 50 variables, computed on the basis of the data from the 'OFG' subgroup only.

TABLE XXV

CORRELATION COEFFICIENTS BASED ON 'OVER-FOUNDATION GARMENT' SUBSERIES

		2	7	9	10	11	12	13	14	15	16
2	WEIGHT		.517	.525	.540	.536	.441	.479	.409	.449	.439
7	STATURE	.517		.976	.957	.971	.923	.909	.891	.845	.841
9	CERVICAL HEIGHT	.525	.976		.963	.970	.924	.923	.906	.859	.859
10	ACROMIAL HEIGHT	.540	.957	.963		.965	.933	.916	.896	.861	.853
11	SUPRATERNALE HGHT	.536	.971	.970	.965		.940	.926	.912	.869	.862
12	BUST POINT HEIGHT	.441	.923	.924	.933	.940		.893	.889	.845	.837
13	WAIST HEIGHT	.479	.909	.923	.916	.926	.893		.943	.891	.884
14	ABDOMINAL EXTEN HT	.409	.891	.906	.896	.912	.889	.943		.888	.893
15	TROCHANTERIC HGHT	.449	.845	.859	.861	.869	.845	.891	.888		.880
16	BUTTOCK HEIGHT	.439	.841	.859	.853	.862	.837	.884	.893	.880	
17	GLUTEAL FURROW HGT	.337	.815	.829	.818	.825	.827	.854	.866	.851	.880
18	TIBIALE HEIGHT	.373	.775	.806	.789	.797	.774	.823	.827	.774	.807
19	CROTCH HEIGHT	.406	.840	.868	.855	.873	.851	.904	.914	.894	.902
36	NECK CIRCUMFERENCE	.575	.321	.320	.320	.311	.274	.266	.222	.254	.243
37	SHOULDER CIRCUMFER	.833	.312	.311	.330	.336	.252	.285	.238	.280	.262
38	CHEST CIRC AT SCYE	.804	.274	.274	.302	.292	.213	.249	.190	.228	.228
39	BUST CIRCUMFERENCE	.806	.249	.255	.289	.273	.177	.228	.168	.210	.219
40	CHEST C BELOW BUST	.791	.268	.273	.312	.290	.239	.239	.181	.242	.239
41	WAIST CIRCUMFERNCE	.827	.272	.288	.311	.292	.207	.234	.184	.258	.259
42	ABDOMINAL EXT CIRC	.797	.234	.234	.261	.235	.157	.205	.096	.182	.192
43	HIP C-7" BLW WAIST	.892	.334	.333	.355	.341	.264	.296	.227	.270	.272
44	HIP C-9" BLW WAIST	.884	.344	.350	.364	.359	.274	.321	.245	.282	.257
45	UPPER THIGH CIRCUM	.837	.248	.258	.270	.263	.192	.232	.175	.208	.209
46	KNEE CIRCUMFERENCE	.815	.375	.380	.385	.390	.318	.338	.283	.312	.309
50	VERTICAL TRUNK CIR	.789	.598	.591	.620	.596	.522	.477	.395	.416	.368
52	BUTTOCK CIRC, SIT	.903	.361	.370	.390	.379	.291	.340	.255	.307	.290
63	BIACROMIAL BREADTH	.489	.445	.442	.406	.445	.403	.402	.375	.392	.345
64	BIDELTOID BREADTH	.803	.290	.292	.315	.308	.227	.261	.203	.246	.238
65	CHEST BREADTH	.704	.257	.255	.295	.272	.210	.220	.175	.212	.203
66	BUSTPT-BUSTPT BRTH	.599	.211	.216	.240	.239	.156	.209	.174	.201	.202
67	WAIST BREADTH	.766	.322	.337	.357	.339	.257	.287	.246	.296	.304
68	HIP BREADTH	.770	.328	.329	.335	.331	.253	.298	.226	.261	.218
69	THIGH-THIGH BR, SIT	.784	.224	.232	.247	.234	.156	.196	.115	.168	.142
74	CHEST DEPTH	.751	.216	.235	.258	.244	.156	.223	.159	.208	.218
75	WAIST DEPTH	.742	.189	.208	.229	.213	.129	.180	.101	.193	.195
76	ABDOMINAL EXT DPTH	.799	.202	.220	.241	.222	.149	.204	.106	.211	.220
77	BUTTOCK DEPTH	.802	.221	.236	.261	.247	.175	.230	.153	.226	.219
126	WAIST HEIGHT, OFG	.471	.902	.915	.907	.918	.884	.957	.928	.885	.879
127	ABDOM EXT HGT, OFG	.405	.871	.887	.875	.889	.868	.913	.936	.873	.872
128	WAIST CIRCUM, OFG	.853	.312	.327	.351	.333	.244	.292	.227	.290	.301
129	ABDOM EXT CIRC, OFG	.844	.301	.311	.339	.320	.236	.289	.190	.259	.276
130	HIP C-7" BLW W, OFG	.914	.323	.335	.356	.345	.259	.305	.228	.271	.275
131	HIP C-9" BLW W, OFG	.896	.341	.350	.367	.360	.275	.322	.247	.282	.265
132	WAIST BREADTH, OFG	.778	.344	.354	.375	.356	.283	.318	.266	.327	.319
133	HIP BREADTH, OFG	.818	.363	.363	.375	.368	.289	.328	.260	.278	.256
134	WAIST DEPTH, OFG	.767	.213	.226	.251	.235	.161	.196	.117	.209	.190
135	ABDOM EXT DPTH, OFG	.791	.179	.193	.224	.206	.136	.185	.079	.195	.188
136	BUTTOCK DEPTH, OFG	.861	.232	.247	.272	.262	.181	.239	.148	.214	.214
137	BUTTOCK C, SIT, OFG	.902	.367	.374	.395	.383	.288	.345	.260	.297	.297
138	THI-THI BR, SIT, OFG	.818	.285	.290	.301	.292	.207	.253	.174	.208	.196

TABLE XXV

CORRELATION COEFFICIENTS BASED ON 'OVER-FOUNDATION GARMENT' SUBSERIES

		17	18	19	36	37	38	39	40	41	42
2	WEIGHT	.337	.373	.406	.575	.833	.804	.806	.791	.827	.797
7	STATURE	.815	.775	.840	.321	.312	.274	.249	.268	.272	.234
9	CERVICALE HEIGHT	.829	.806	.868	.320	.311	.274	.255	.273	.288	.234
10	ACROMIAL HEIGHT	.818	.789	.855	.320	.330	.302	.289	.312	.311	.261
11	SUPRASTERNAL HGHT	.825	.797	.873	.311	.336	.292	.273	.290	.292	.235
12	BUST POINT HEIGHT	.827	.774	.851	.274	.252	.213	.177	.239	.207	.157
13	WAIST HEIGHT	.854	.823	.904	.266	.285	.249	.228	.239	.234	.205
14	ABDOMINAL EXTEN HT	.866	.827	.914	.222	.238	.190	.168	.181	.184	.096
15	TROCHANTERIC HGHT	.851	.774	.894	.254	.280	.228	.210	.242	.258	.182
16	BUTTOCK HEIGHT	.880	.807	.902	.243	.262	.228	.219	.239	.259	.192
17	GLUTEAL FURROW HGT		.795	.878	.191	.186	.163	.149	.167	.176	.116
18	TIBIALE HEIGHT	.795		.835	.251	.208	.190	.174	.190	.183	.137
19	CROTCH HEIGHT	.878	.835		.222	.238	.196	.176	.201	.211	.129
36	NECK CIRCUMFERENCE	.191	.251	.222		.510	.515	.499	.486	.534	.442
37	SHOULDER CIRCUMFER	.186	.208	.238	.510		.877	.813	.798	.778	.703
38	CHEST CIRC AT SCYE	.163	.190	.196	.515	.877		.892	.819	.794	.716
39	BUST CIRCUMFERENCE	.149	.174	.176	.499	.813	.892		.835	.803	.738
40	CHEST C BELOW BUST	.167	.190	.201	.486	.798	.819	.835		.796	.722
41	WAIST CIRCUMFERENCE	.176	.183	.211	.534	.778	.794	.803	.796		.812
42	ABDOMINAL EXT CIRC	.116	.137	.129	.442	.703	.716	.738	.722	.812	
43	HIP C-7" BLW WAIST	.176	.209	.205	.494	.744	.723	.724	.708	.798	.830
44	HIP C-9" BLW WAIST	.156	.222	.224	.466	.716	.685	.677	.661	.724	.767
45	UPPER THIGH CIRCUM	.123	.174	.174	.408	.681	.635	.643	.627	.685	.723
46	KNEE CIRCUMFERENCE	.213	.265	.282	.418	.595	.562	.557	.554	.598	.609
50	VERTICAL TRUNK CIR	.295	.334	.330	.484	.609	.640	.632	.604	.612	.606
52	BUTTOCK CIRC, SIT	.179	.233	.248	.500	.737	.721	.720	.704	.779	.807
63	BIACROMIAL BREADTH	.322	.342	.371	.375	.574	.468	.365	.382	.377	.307
64	BIDELTOID BREADTH	.159	.207	.207	.515	.892	.829	.766	.743	.742	.683
65	CHEST BREADTH	.137	.157	.184	.452	.774	.767	.743	.748	.685	.626
66	BUSTPT-BUSTPT BRTH	.140	.162	.174	.339	.565	.592	.726	.567	.577	.519
67	WAIST BREADTH	.228	.237	.267	.505	.717	.717	.713	.724	.889	.703
68	HIP BREADTH	.140	.202	.197	.393	.609	.570	.553	.545	.600	.673
69	THIGH-THIGH BR, SIT	.042	.107	.111	.387	.617	.588	.593	.574	.631	.721
74	CHEST DEPTH	.143	.165	.173	.454	.706	.767	.884	.762	.745	.699
75	WAIST DEPTH	.102	.109	.134	.449	.674	.698	.728	.709	.845	.749
76	ABDOMINAL EXT DPTH	.120	.122	.159	.442	.692	.704	.736	.717	.818	.827
77	BUTTOCK DEPTH	.106	.159	.168	.436	.671	.647	.659	.632	.707	.707
126	WAIST HEIGHT, OFG	.851	.820	.899	.258	.277	.242	.222	.233	.229	.200
127	ABDOM EXT HGT, OFG	.852	.814	.899	.234	.237	.199	.175	.192	.198	.115
128	WAIST CIRCUM, OFG	.200	.211	.242	.513	.782	.790	.809	.801	.927	.809
129	ABDOM EXT CIRC, OFG	.172	.198	.214	.469	.727	.728	.751	.727	.801	.873
130	HIP C-7" BLW W, OFG	.160	.212	.224	.490	.762	.740	.745	.727	.798	.835
131	HIP C-9" BLW W, OFG	.154	.228	.227	.473	.727	.694	.687	.679	.731	.776
132	WAIST BREADTH, OFG	.246	.250	.282	.508	.714	.718	.716	.717	.842	.717
133	HIP BREADTH, OFG	.168	.225	.225	.424	.661	.617	.598	.595	.640	.708
134	WAIST DEPTH, OFG	.108	.113	.145	.484	.695	.721	.742	.715	.845	.762
135	ABDOM EXT DPTH, OFG	.092	.098	.133	.446	.691	.702	.733	.703	.806	.830
136	BUTTOCK DEPTH, OFG	.094	.154	.164	.467	.729	.720	.742	.710	.783	.794
137	BUTTOCK C, SIT, OFG	.179	.234	.248	.478	.732	.717	.722	.712	.769	.815
138	THI-THI BR, SIT, OFG	.098	.162	.162	.394	.643	.612	.618	.602	.654	.739

TABLE XXV

CORRELATION COEFFICIENTS BASED ON 'OVER-FOUNDATION GARMENT' SUBSERIES

		43	44	45	46	50	52	63	64	65	66
2	WEIGHT	.892	.884	.837	.815	.789	.903	.489	.803	.704	.599
7	STATURE	.334	.344	.248	.375	.598	.361	.445	.290	.257	.211
9	CERVICALE HEIGHT	.333	.350	.258	.380	.591	.370	.442	.292	.255	.216
10	ACROMIAL HEIGHT	.355	.364	.270	.385	.620	.390	.406	.315	.295	.240
11	SUPRASTERNAL HGT	.341	.359	.263	.390	.596	.379	.445	.308	.272	.239
12	BUST POINT HEIGHT	.264	.274	.192	.318	.522	.291	.403	.227	.210	.156
13	WAIST HEIGHT	.296	.321	.232	.338	.477	.340	.402	.261	.220	.209
14	ABDOMINAL EXTEN HT	.227	.245	.175	.283	.395	.255	.375	.203	.175	.174
15	TROCHANTERIC HGT	.270	.282	.208	.312	.416	.307	.392	.246	.212	.201
16	BUTTOCK HEIGHT	.272	.257	.209	.309	.368	.290	.345	.238	.203	.202
17	GLUTEAL FURROW HGT	.176	.156	.123	.213	.295	.179	.322	.159	.137	.140
18	TIBIALE HEIGHT	.209	.222	.174	.265	.334	.233	.342	.207	.157	.162
19	CROTCH HEIGHT	.205	.224	.174	.282	.330	.248	.371	.207	.184	.174
36	NECK CIRCUMFERENCE	.494	.466	.408	.418	.484	.500	.375	.515	.452	.339
37	SHOULDER CIRCUMFER	.744	.716	.681	.595	.609	.737	.574	.892	.774	.565
38	CHEST CIRC AT SCYE	.723	.685	.635	.562	.640	.721	.468	.829	.767	.592
39	BUST CIRCUMFERENCE	.724	.677	.643	.557	.632	.720	.365	.766	.743	.726
40	CHEST C BELOW BUST	.708	.661	.627	.554	.604	.704	.382	.743	.748	.567
41	WAIST CIRCUMFERNCE	.798	.724	.685	.598	.612	.779	.377	.742	.685	.577
42	ABDOMINAL EXT CIRC	.830	.767	.723	.609	.606	.807	.307	.683	.626	.519
43	HIP C-7" BLW WAIST		.942	.869	.753	.703	.936	.379	.731	.636	.516
44	HIP C-9" BLW WAIST	.942		.894	.781	.719	.941	.401	.715	.598	.480
45	UPPER THIGH CIRCUM	.869	.894		.777	.616	.853	.320	.674	.549	.477
46	KNEE CIRCUMFERENCE	.753	.781	.777		.628	.767	.358	.596	.484	.414
50	VERTICAL TRUNK CIR	.703	.719	.616	.628		.740	.419	.606	.550	.440
52	BUTTOCK CIRC, SIT	.936	.941	.853	.767	.740		.404	.724	.631	.522
63	BIACROMIAL BREADTH	.379	.401	.320	.358	.419	.404		.590	.453	.248
64	BIDELTOID BREADTH	.731	.715	.674	.596	.606	.724	.590		.744	.521
65	CHEST BREADTH	.636	.598	.549	.484	.550	.631	.453	.744		.506
66	BUSTPT-BUSTPT BRTH	.516	.480	.477	.414	.440	.522	.248	.521	.506	
67	WAIST BREADTH	.718	.664	.618	.555	.571	.706	.386	.692	.617	.500
68	HIP BREADTH	.840	.897	.801	.697	.630	.845	.363	.626	.522	.375
69	THIGH-THIGH BR,SIT	.847	.892	.846	.727	.628	.875	.320	.634	.552	.415
74	CHEST DEPTH	.680	.631	.605	.525	.561	.670	.249	.647	.603	.680
75	WAIST DEPTH	.696	.637	.598	.543	.553	.715	.273	.644	.571	.514
76	ABDOMINAL EXT DPTH	.783	.728	.696	.612	.584	.789	.284	.670	.594	.513
77	BUTTOCK DEPTH	.824	.810	.794	.683	.633	.814	.285	.674	.531	.465
126	WAIST HEIGHT, OFG	.294	.313	.225	.332	.469	.330	.395	.252	.219	.205
127	ABDCM EXT HGT, OFG	.226	.241	.170	.274	.389	.250	.369	.215	.184	.164
128	WAIST CIRCUM, OFG	.801	.743	.700	.621	.638	.802	.386	.751	.694	.579
129	ABDOM EXT CIRC, OFG	.849	.812	.753	.656	.653	.851	.357	.706	.633	.543
130	HIP C-7" BLW W, OFG	.960	.948	.873	.767	.706	.951	.386	.754	.649	.535
131	HIP C-9" BLW W, OFG	.946	.976	.894	.784	.716	.947	.398	.724	.605	.490
132	WAIST BREADTH, OFG	.734	.686	.631	.566	.606	.727	.412	.688	.651	.486
133	HIP BREADTH, OFG	.877	.917	.823	.729	.674	.872	.392	.659	.559	.400
134	WAIST DEPTH, OFG	.730	.679	.625	.570	.609	.744	.313	.665	.606	.519
135	ABDOM EXT DPTH, OFG	.793	.753	.707	.613	.609	.805	.295	.669	.596	.508
136	BUTTOCK DEPTH, OFG	.882	.866	.824	.716	.685	.882	.325	.708	.625	.530
137	BUTTOCK C, SIT, OFG	.925	.922	.839	.754	.719	.950	.392	.719	.634	.521
138	THI-THI BR, SIT, OFG	.867	.905	.857	.742	.655	.886	.329	.645	.554	.441

TABLE XXV

CORRELATION COEFFICIENTS BASED ON 'OVER-FOUNDATION GARMENT' SUBSERIES

	67	68	69	74	75	76	77	126	127	128
2 WEIGHT	.766	.770	.784	.751	.742	.799	.802	.471	.405	.853
7 STATURE	.322	.328	.224	.216	.189	.202	.221	.902	.871	.312
9 CERVICALE HEIGHT	.337	.329	.232	.235	.208	.220	.236	.915	.887	.327
10 ACROMIAL HEIGHT	.357	.335	.247	.258	.229	.241	.261	.907	.875	.351
11 SUPRASTERNAL HGHT	.339	.331	.234	.244	.213	.222	.247	.918	.889	.333
12 BUST POINT HEIGHT	.257	.253	.156	.156	.129	.149	.175	.884	.868	.244
13 WAIST HEIGHT	.287	.298	.196	.223	.180	.204	.230	.957	.913	.292
14 ABDOMINAL EXTEN HT	.246	.226	.115	.159	.101	.106	.153	.928	.936	.227
15 TROCHANTERIC HGHT	.296	.261	.168	.208	.193	.211	.226	.885	.873	.290
16 BUTTOCK HEIGHT	.304	.218	.142	.218	.195	.220	.219	.879	.872	.301
17 GLUTEAL FURROW HGT	.228	.140	.042	.143	.102	.120	.106	.851	.852	.200
18 TIBIALE HEIGHT	.237	.202	.107	.165	.109	.122	.159	.820	.814	.211
19 CROTCH HEIGHT	.267	.197	.111	.173	.134	.159	.168	.899	.899	.242
36 NECK CIRCUMFERENCE	.505	.393	.387	.454	.449	.442	.436	.258	.234	.513
37 SHOULDER CIRCUMFER	.717	.609	.617	.706	.674	.692	.671	.277	.237	.782
38 CHEST CIRC AT SCYE	.717	.570	.588	.767	.698	.704	.647	.242	.199	.790
39 BUST CIRCUMFERENCE	.713	.553	.593	.884	.728	.736	.659	.222	.175	.809
40 CHEST C BELOW BUST	.724	.545	.574	.762	.709	.717	.632	.233	.192	.801
41 WAIST CIRCUMFERNCE	.889	.600	.631	.745	.845	.818	.707	.229	.198	.927
42 ABDOMINAL EXT CIRC	.703	.673	.721	.699	.749	.827	.707	.200	.115	.809
43 HIP C-7" BLW WAIST	.718	.840	.847	.680	.696	.783	.824	.294	.226	.801
44 HIP C-9" BLW WAIST	.664	.897	.892	.631	.637	.728	.810	.313	.241	.743
45 UPPER THIGH CIRCUM	.618	.801	.846	.605	.598	.696	.794	.225	.170	.700
46 KNEE CIRCUMFERENCE	.555	.697	.727	.525	.543	.612	.683	.332	.274	.621
50 VERTICAL TRUNK CIR	.571	.630	.628	.561	.553	.584	.633	.469	.389	.638
52 BUTTOCK CIRC, SIT	.706	.845	.875	.670	.715	.789	.814	.330	.250	.802
63 BIACROMIAL BREADTH	.386	.363	.320	.249	.273	.284	.285	.395	.369	.386
64 BIDELOID BREADTH	.692	.626	.634	.647	.644	.670	.674	.252	.215	.751
65 CHEST BREADTH	.617	.522	.552	.603	.571	.594	.531	.219	.184	.694
66 BUSTPT-BUSTPT BRTH	.500	.375	.415	.680	.514	.513	.465	.205	.164	.579
67 WAIST BREADTH		.570	.574	.638	.703	.692	.630	.275	.254	.832
68 HIP BREADTH		.570	.887	.516	.518	.610	.677	.289	.222	.623
69 THIGH-THIGH BR, SIT		.574	.887	.557	.568	.677	.739	.186	.117	.656
74 CHEST DEPTH		.638	.516	.557	.701	.719	.642	.214	.163	.754
75 WAIST DEPTH		.703	.518	.568	.701	.861	.680	.168	.117	.846
76 ABDOMINAL EXT DPTH		.692	.610	.677	.719	.861	.770	.196	.116	.828
77 BUTTOCK DEPTH		.630	.677	.739	.642	.680	.770	.219	.156	.723
126 WAIST HEIGHT, OFG		.275	.289	.186	.214	.168	.196	.219	.928	.269
127 ABDOM EXT HGT, OFG		.254	.222	.117	.163	.117	.116	.156	.928	.229
128 WAIST CIRCUM, OFG		.832	.623	.656	.754	.846	.828	.723	.269	.229
129 ABDOM EXT CIRC, OFG		.716	.710	.750	.716	.734	.826	.741	.273	.147
130 HIP C-7" BLW W, OFG		.724	.853	.866	.701	.714	.804	.833	.288	.218
131 HIP C-9" BLW W, OFG		.670	.887	.891	.641	.649	.741	.823	.315	.247
132 WAIST BREADTH, OFG		.817	.592	.609	.654	.687	.698	.645	.282	.258
133 HIP BREADTH, OFG		.598	.917	.880	.553	.555	.646	.707	.326	.254
134 WAIST DEPTH, OFG		.685	.559	.608	.709	.888	.841	.702	.177	.127
135 ABDOM EXT DPTH, OFG		.670	.628	.702	.711	.810	.900	.771	.168	.048
136 BUTTOCK DEPTH, OFG		.675	.728	.790	.713	.752	.843	.882	.229	.148
137 BUTTOCK C, SIT, OFG		.698	.827	.857	.681	.713	.791	.794	.338	.258
138 THI-THI BR, SIT, OFG		.600	.865	.928	.586	.591	.693	.737	.250	.175

TABLE XXV

CORRELATION COEFFICIENTS BASED ON 'OVER-FOUNDATION GARMENT' SUBSERIES

		129	130	131	132	133	134	135	136	137	138
2	WEIGHT	.844	.914	.896	.778	.818	.767	.791	.861	.902	.818
7	STATURE	.301	.323	.341	.344	.363	.213	.179	.232	.367	.285
9	CERVICALE HEIGHT	.311	.335	.350	.354	.363	.226	.193	.247	.374	.290
10	ACROMIAL HEIGHT	.339	.356	.367	.375	.375	.251	.224	.272	.395	.301
11	SUPRASTERNAL HGHT	.320	.345	.360	.356	.368	.235	.206	.262	.383	.292
12	BUST POINT HEIGHT	.236	.259	.275	.283	.289	.161	.136	.181	.288	.207
13	WAIST HEIGHT	.289	.305	.322	.318	.328	.196	.185	.239	.345	.253
14	ABDOMINAL EXTEN HT	.190	.228	.247	.266	.260	.117	.079	.148	.260	.174
15	TROCHANTERIC HGHT	.259	.271	.282	.327	.278	.209	.195	.214	.297	.208
16	BUTTOCK HEIGHT	.276	.275	.265	.319	.256	.190	.188	.214	.297	.196
17	GLUTEAL FURROW HGT	.172	.160	.154	.246	.168	.108	.092	.094	.179	.098
18	TIBIALE HEIGHT	.198	.212	.228	.250	.225	.113	.098	.154	.234	.162
19	CROTCH HEIGHT	.214	.224	.227	.282	.225	.145	.133	.164	.248	.162
36	NECK CIRCUMFERENCE	.469	.490	.473	.508	.424	.484	.446	.467	.478	.394
37	SHOULDER CIRCUMFER	.727	.762	.727	.714	.661	.695	.691	.729	.732	.643
38	CHEST CIRC AT SCYE	.728	.740	.694	.718	.617	.721	.702	.720	.717	.612
39	BUST CIRCUMFERENCE	.751	.745	.687	.716	.598	.742	.733	.742	.722	.618
40	CHEST C BELOW BUST	.727	.727	.679	.717	.595	.715	.703	.710	.712	.602
41	WAIST CIRCUMFERNCE	.801	.798	.731	.842	.640	.845	.806	.783	.769	.654
42	ABDOMINAL EXT CIRC	.873	.835	.776	.717	.708	.762	.830	.794	.815	.739
43	HIP C-7" BLW WAIST	.849	.960	.946	.734	.877	.730	.793	.882	.925	.867
44	HIP C-9" BLW WAIST	.812	.948	.976	.686	.917	.679	.753	.866	.922	.905
45	UPPER THIGH CIRCUM	.753	.873	.894	.631	.823	.625	.707	.824	.839	.857
46	KNEE CIRCUMFERENCE	.656	.767	.784	.566	.729	.570	.613	.716	.754	.742
50	VERTICAL TRUNK CIR	.653	.706	.716	.606	.674	.609	.609	.685	.719	.655
52	BUTTOCK CIRC, SIT	.851	.951	.947	.727	.872	.744	.805	.882	.950	.886
63	BIACROMIAL BREADTH	.357	.386	.398	.412	.392	.313	.295	.325	.392	.329
64	BIDELTOID BREADTH	.706	.754	.724	.688	.659	.665	.669	.708	.719	.645
65	CHEST BREADTH	.633	.649	.605	.651	.559	.606	.596	.625	.634	.554
66	BUSTPT-BUSTPT BRTH	.543	.535	.490	.486	.400	.519	.508	.530	.521	.441
67	WAIST BREADTH	.716	.724	.670	.817	.598	.685	.670	.675	.698	.600
68	HIP BREADTH	.710	.853	.887	.592	.917	.559	.628	.728	.827	.865
69	THIGH-THIGH BR, SIT	.750	.866	.891	.609	.880	.608	.702	.790	.857	.928
74	CHEST DEPTH	.716	.701	.641	.654	.553	.709	.711	.713	.681	.586
75	WAIST DEPTH	.734	.714	.649	.687	.555	.888	.810	.752	.713	.591
76	ABDOMINAL EXT DPTH	.826	.804	.741	.698	.646	.841	.900	.843	.791	.693
77	BUTTOCK DEPTH	.741	.833	.823	.645	.707	.702	.771	.882	.794	.737
126	WAIST HEIGHT, OFG	.273	.288	.315	.282	.326	.177	.168	.229	.338	.250
127	ABDOM EXT HGT, OFG	.147	.218	.247	.258	.254	.127	.048	.148	.258	.175
128	WAIST CIRCUM, OFG	.827	.825	.760	.894	.666	.869	.816	.798	.805	.679
129	ABDOM EXT CIRC, OFG		.890	.826	.743	.750	.761	.869	.830	.858	.769
130	HIP C-7" BLW W, OFG			.967	.750	.888	.744	.821	.899	.952	.887
131	HIP C-9" BLW W, OFG		.826	.967	.691	.922	.685	.754	.872	.944	.912
132	WAIST BREADTH, OFG		.743	.750	.691	.636	.747	.719	.714	.721	.620
133	HIP BREADTH, OFG		.750	.888	.922	.636	.602	.672	.775	.869	.900
134	WAIST DEPTH, OFG		.761	.744	.685	.747	.602	.857	.802	.728	.625
135	ABDOM EXT DPTH, OFG		.869	.821	.754	.719	.672	.857	.877	.789	.716
136	BUTTOCK DEPTH, OFG		.830	.899	.872	.714	.775	.802	.877	.868	.808
137	BUTTOCK C, SIT, OFG		.858	.952	.944	.721	.869	.728	.789	.868	.893
138	THI-THI BR, SIT, OFG		.769	.887	.912	.620	.900	.625	.716	.808	.893

SECTION XI

REGRESSION EQUATIONS

The equations we described in introducing the correlation coefficient, that is, the equations for estimating the value of one variable from that of a second, are known as regression equations. In this section we present the (simple) regression equations for estimating one of the anthropometric measures from another for all pairs of measurements for which the correlation between the two measurements is at least as high—in absolute value—as 0.316.

These equations are of the form:

$$Y^1 = a + bX$$

where X is the value of the variable being used to predict or estimate the other variable and Y^1 is the resulting estimate. The parameters a and b are chosen so that the estimates Y^1 are the most accurate in the traditional statistical sense of least-squares.

The organization of table XXVI has been dictated to some extent by consideration of space. Equations based on correlation coefficients of less than 0.316 were deemed, for reasons explained in section X, to be of too little predictive value to justify their inclusion. Equations could be and, ideally, probably should be grouped both in terms of the predicting and the predicted variable. We have limited our presentation to groupings of the equations by the predicted variables. Thus all equations for predicting weight are listed together at the top of this table, followed shortly by all equations for estimating stature as a group, and so forth. The reader who wishes to obtain the equations for estimating each of a number of variables in terms of, say, cervicale height will, unfortunately, have to look in the groups of equations corresponding to each of the variables to be estimated. An ideal presentation might also include presenting all the equations in English units as well as metric units. Table XXVI, however, presents the equations only in metric units. An exception is made for equations involving weight and a procedure for easily converting the equations to English units is discussed below.

The parameters a and b of a regression equation are frequently designated as its constant term and the slope, respectively. In table XXVI, this notation is used with *CONST* serving as an abbreviation for *constant term*. The values designated as X in this table are the Visual Index number of the predictor variables.

The first few lines from the seventh group of equations in table XXVI can be used to illustrate the table:

EQUATIONS FOR ESTIMATING STATURE

No. 7

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.425	137.57	5.08	8	0.995	0.17	0.38	9	1.063	14.14	1.28
10	1.051	23.52	1.70	11	1.102	16.64	1.39	12	1.067	35.86	2.26
13	1.219	39.86	2.44	14	1.218	48.64	2.65	15	1.198	63.06	3.14
16	1.222	61.64	3.19	17	1.251	71.15	3.39	18	1.987	78.68	3.71
19	1.265	67.86	3.17	21	4.355	132.60	5.43	22	1.445	40.32	3.74
23	1.517	32.25	3.60	24	1.447	55.45	4.06	25	1.618	68.26	4.19
26	1.399	129.41	5.49	28	2.348	65.72	4.12	29	1.421	94.31	4.55
30	1.752	61.49	3.84	31	2.676	79.13	4.14	32	2.922	93.77	4.48
33	1.001	87.90	4.58	34	0.753	98.98	4.75	35	0.598	42.97	3.14

1. Clearly, this is the group of equations for estimating variable 7, stature. The groups are arranged in order in this table on the basis of the Visual Index numbers and the equations are arranged in order within each group on the basis of the Visual Index numbers.

2. The first equation in this group is the one for estimating stature in terms of variable

2, weight:

$$\text{Estimated Stature} = 0.425 \text{ Weight} + 137.57$$

These are metric values; weight is in kilograms, estimated stature is in centimeters. The standard error of estimate is 5.08 cm.

3. There is no equation for which X is listed as 1, and there are none for which X is denoted as 3, 4, 5, or 6. This indicates that the correlation between variable 1 (age) and stature was less than 0.316 and that the same was true for the correlation of variables 3 through 6 with stature.

4. Considering only these six equations, the best one is that based on variable 8, since it provides estimates of height with a standard error of estimate of only 0.38 cm in contrast to a standard error of estimate of 5.08 cm for the equation based on variable 2, the poorest of this sextet of predictors.

The slope term of each equation not involving weight is the same for both the metric and English forms of the equation. The constant terms and standard errors for the English equations can be obtained by multiplying the metric terms by 0.3937. Thus, in the listed equation based on variable 9 (cervicale height) the English constant term = $(14.14)(0.3937) = 5.57$, the English standard error = $(1.28)(0.3937) = 0.50$ and this equation may be written alternately as:

$$\text{Estimated stature} = 1.063 \text{ cervicale height} + 14.14 \text{ (cm)}$$

$$\text{Estimated stature} = 1.063 \text{ cervicale height} + 5.57 \text{ (in)}$$

with a standard error of estimate of 1.28 cm = 0.50 in.

All slope terms are given to a minimum of three significant figures. When the value for any slope was between 0.1 and 0.01, it was multiplied by 10 before being listed and then followed by an *A* in the listing. Thus, for example, the slope value for the equation for estimating variable 3 from variable 37 is listed as 0.561A and is to be interpreted as 0.0561. When the slope was less than 0.01, it was multiplied by 100 and marked with a *B*. The slope values were all rounded to their reported values prior to the calculation of the constant terms; further rounding of the slopes should not be done unless appropriate adjustments are also made in the constant terms.

Table XLVII in appendix III provides a conversion table for centimeters to inches for values 1.00 cm to 10.00 cm by 0.01 cm intervals which may be useful in converting these equations. If the value to be converted is in the range 1.0 — 10.0, the inch value can be read directly, for example, 1.32 cm = 0.520 in. For larger or smaller numbers, the decimal point may need to be moved in one direction or the other, for example, to convert 19.50 cm, note that 1.95 = 0.768; hence 19.50 cm = 7.68 in.

With weight, the conversion of the equation is not that simple, and table XXVI provides equations in English units for weight directly. For this purpose we have designated English weight as variable 999. Thus, the equation for estimating—in English units—any other variable will appear as the last equation for that variable, and the group of equations for estimating weight—in English units—in terms of other variables appears at the end of table XXVI.

The last equation listed for stature is:

X	Slope	Const	S.E.
999	0.759A	54.16	2.00

and is to be interpreted as:

$$\text{Estimated stature (in.)} = 0.0759 \text{ Weight (lbs)} + 54.16$$

TABLE XXVI

SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING AGE

NO. 1

X	SLOPE	CONST	S.E.
81	0.535	-11.47	6.10

EQUATIONS FOR ESTIMATING WEIGHT

NO. 2

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
3	8.250	42.03	6.04	4	8.762	46.47	6.21	5	6.245	45.42	6.12
6	5.269	49.33	7.01	7	0.667	-50.39	6.37	8	0.666	-50.66	6.37
9	0.737	-44.85	6.33	10	0.758	-42.22	6.27	11	0.784	-45.75	6.27
12	0.660	-20.36	6.69	13	0.830	-25.50	6.53	14	0.733	-10.55	6.79
15	0.811	-9.31	6.68	16	0.845	-11.74	6.65	17	0.694	7.28	7.00
18	1.292	3.49	6.87	19	0.804	-2.17	6.79	22	1.045	-30.34	6.71
23	1.143	-40.11	6.59	24	1.102	-23.49	6.73	25	1.408	-23.93	6.53
26	1.675	18.59	6.94	28	1.497	-3.71	6.99	29	1.541	-15.79	6.21
30	1.983	-56.15	5.42	31	2.042	-5.58	6.75	32	2.067	9.39	6.97
33	0.840	-4.54	6.78	34	0.651	3.16	6.82	35	0.426	-27.14	6.58
36	2.611	-30.39	6.12	37	1.223	-65.07	4.14	38	1.217	-44.80	4.48
39	1.055	-36.93	4.52	40	1.222	-33.09	4.61	41	1.133	-18.41	4.26
42	0.820	-12.49	4.57	43	1.201	-54.72	3.41	44	1.107	-47.73	3.50
45	1.499	-25.42	4.08	46	2.721	-41.04	4.31	47	2.520	-28.31	4.96
48	2.464	-26.61	5.00	49	3.451	-15.03	6.07	50	0.862	-75.38	4.64
51	0.846	-69.22	5.08	52	1.117	-53.96	3.22	53	2.552	-36.94	4.74
54	2.551	-12.26	4.58	55	2.633	-9.70	4.49	56	2.617	-12.39	4.46
57	2.519	-6.91	4.45	58	2.542	-9.73	4.47	59	2.415	-7.41	6.17
60	4.409	-45.77	4.44	61	3.858	-38.62	4.71	62	6.827	-44.42	5.75
63	2.272	-23.70	6.54	64	2.595	-50.93	4.53	65	2.754	-19.36	5.37
66	2.849	4.94	6.10	67	2.983	-14.24	4.82	68	2.615	-33.71	4.80
69	2.060	-20.94	4.68	70	13.198	-23.22	6.34	71	13.580	-25.12	6.31
72	8.119	-8.16	6.57	73	8.844	-14.25	6.45	74	2.897	-10.76	5.03
75	3.314	1.35	5.09	76	2.809	-0.95	4.60	77	3.383	-13.83	4.47
78	4.288	4.41	5.27	80	2.279	-0.37	6.17	81	1.255	-24.12	5.69
82	1.647	-0.01	6.36	83	1.265	-4.74	6.27	84	1.494	-5.23	5.98
86	1.764	-1.50	6.68	88	2.383	9.20	6.79	89	1.779	-37.12	6.19
90	1.283	-44.37	6.20	91	3.005	2.49	6.95	92	8.059	-3.14	6.84
93	4.105	-17.46	6.54	94	3.402	-24.15	6.47	95	5.934	5.11	6.92
98	1.867	-44.70	6.89	107	2.698	0.57	7.06	115	5.898	-18.29	6.92
116	4.659	-2.36	7.02	117	4.636	10.51	7.06	125	0.476	43.51	7.02
139	0.682	-54.53	6.23	140	1.019	-0.24	1.74				

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI

SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING TRICEPS SKINFOLD

NO. 3

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.432A	-0.59	0.44	4	0.685	1.02	0.43	5	0.469	0.98	0.43
6	0.539	1.04	0.47	37	0.561A	-3.73	0.46	38	0.551A	-2.74	0.47
39	0.501A	-2.59	0.46	40	0.545A	-2.15	0.48	41	0.538A	-1.71	0.46
42	0.440A	-1.87	0.44	43	0.598A	-3.70	0.43	44	0.553A	-3.37	0.43
45	0.812A	-2.60	0.42	46	0.135	-3.00	0.45	47	0.118	-2.13	0.48
48	0.115	-2.03	0.48	49	0.135	-0.94	0.52	50	0.326A	-3.13	0.50
51	0.294A	-2.51	0.51	52	0.534A	-3.44	0.44	53	0.118	-2.47	0.47
54	0.155	-2.35	0.41	55	0.170	-2.45	0.38	56	0.163	-2.46	0.39
57	0.160	-2.20	0.38	58	0.157	-2.26	0.40	60	0.221	-3.29	0.45
61	0.192	-2.89	0.46	64	0.124	-3.29	0.46	65	0.114	-1.29	0.50
66	0.126	-0.43	0.51	67	0.132	-1.28	0.48	68	0.130	-2.64	0.46
69	0.112	-2.37	0.44	74	0.144	-1.50	0.47	75	0.162	-0.85	0.47
76	0.147	-1.17	0.45	77	0.182	-1.95	0.44	78	0.182	-0.36	0.49
80	0.105	-0.77	0.51	81	0.569A	-1.81	0.50	84	0.639A	-0.79	0.51
140	0.425A	-0.51	0.45	999	0.771B	-0.23	0.17				

EQUATIONS FOR ESTIMATING SUBSCAPULAR SKINFOLD

NO. 4

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.364A	-0.82	0.40	3	0.544	0.25	0.38	5	0.456	0.39	0.36
6	0.311	0.79	0.46	36	0.105	-2.26	0.45	37	0.549A	-4.23	0.39
38	0.595A	-3.73	0.38	39	0.534A	-3.51	0.38	40	0.570A	-2.95	0.40
41	0.572A	-2.56	0.37	42	0.418A	-2.29	0.38	43	0.503A	-3.42	0.40
44	0.426A	-2.77	0.41	45	0.600A	-2.04	0.41	46	0.878A	-1.90	0.44
47	0.740A	-1.24	0.46	48	0.708A	-1.14	0.46	50	0.264A	-2.79	0.45
51	0.239A	-2.30	0.46	52	0.437A	-3.08	0.41	53	0.113	-2.91	0.41
54	0.141	-2.58	0.35	55	0.134	-2.15	0.38	56	0.127	-2.12	0.39
57	0.128	-2.00	0.37	58	0.124	-2.00	0.38	60	0.170	-2.71	0.42
61	0.149	-2.44	0.43	64	0.117	-3.61	0.40	65	0.120	-2.07	0.43
66	0.130	-1.12	0.44	67	0.134	-1.95	0.41	68	0.930A	-1.97	0.44
69	0.807A	-1.80	0.43	74	0.153	-2.33	0.38	75	0.176	-1.71	0.38
76	0.146	-1.76	0.37	77	0.156	-2.01	0.40	78	0.128	-0.31	0.46
80	0.104	-1.37	0.44	81	0.553A	-2.32	0.43	82	0.722A	-1.25	0.45
83	0.478A	-1.07	0.46	84	0.684A	-1.60	0.44	140	0.368A	-0.81	0.41
999	0.650B	-0.32	0.16								

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI
SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING SUPRAILIAC SKINFOLD

NO. 5

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.543A	-1.16	0.57	3	0.779	0.49	0.56	4	0.953	0.75	0.53
6	0.505	1.17	0.65	37	0.737A	-5.43	0.59	38	0.782A	-4.62	0.58
39	0.739A	-4.66	0.56	40	0.776A	-3.80	0.59	41	0.821A	-3.55	0.54
42	0.586A	-3.05	0.56	43	0.726A	-4.83	0.57	44	0.633A	-4.06	0.59
45	0.940A	-3.24	0.58	46	0.137	-3.00	0.63	47	0.117	-2.02	0.65
48	0.111	-1.83	0.65	50	0.364A	-3.65	0.66	51	0.349A	-3.26	0.66
52	0.634A	-4.37	0.59	53	0.149	-3.56	0.61	54	0.191	-3.27	0.54
55	0.179	-2.61	0.57	56	0.171	-2.61	0.58	57	0.170	-2.39	0.57
58	0.166	-2.43	0.58	60	0.244	-3.76	0.62	61	0.218	-3.47	0.62
64	0.161	-4.77	0.59	65	0.155	-2.37	0.64	66	0.199	-1.72	0.63
67	0.207	-3.02	0.57	68	0.140	-2.92	0.63	69	0.118	-2.53	0.62
74	0.210	-2.99	0.57	75	0.237	-2.06	0.58	76	0.196	-2.12	0.56
77	0.211	-2.49	0.59	78	0.233	-0.93	0.64	80	0.156	-2.00	0.64
81	0.792A	-3.19	0.63	82	0.977A	-1.45	0.66	83	0.706A	-1.51	0.66
84	0.818A	-1.48	0.66	140	0.545A	-1.13	0.58	999	0.969B	-0.46	0.22

EQUATIONS FOR ESTIMATING MEDIAL CALF SKINFOLD

NO. 6

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.248A	0.16	0.48	3	0.485	0.67	0.44	4	0.353	1.14	0.49
5	0.274	1.05	0.48	42	0.239A	-0.45	0.49	43	0.348A	-1.66	0.48
44	0.341A	-1.65	0.47	45	0.517A	-1.27	0.47	46	0.104	-2.18	0.46
47	0.100	-1.82	0.47	48	0.973A	-1.74	0.47	49	0.128	-1.10	0.49
52	0.321A	-1.62	0.48	54	0.772A	-0.52	0.48	55	0.958A	-0.86	0.47
56	0.898A	-0.81	0.47	57	0.919A	-0.76	0.47	58	0.897A	-0.79	0.47
60	0.126	-1.36	0.49	61	0.110	-1.15	0.49	68	0.849A	-1.37	0.48
69	0.748A	-1.26	0.47	76	0.866A	-0.21	0.48	77	0.113	-0.80	0.48
140	0.239A	0.23	0.49	999	0.444B	0.06	0.19				

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI

SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING STATURE								NO. 7			
X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.425	137.57	5.08	8	0.995	0.17	0.38	9	1.063	14.14	1.28
10	1.051	23.52	1.70	11	1.102	16.64	1.39	12	1.067	35.86	2.26
13	1.219	39.86	2.44	14	1.218	48.64	2.65	15	1.198	63.06	3.14
16	1.222	61.64	3.19	17	1.251	71.15	3.39	18	1.987	78.68	3.71
19	1.265	67.86	3.17	21	4.355	132.60	5.43	22	1.445	40.32	3.74
23	1.517	32.25	3.60	24	1.447	55.45	4.06	25	1.618	68.26	4.19
26	1.399	129.41	5.49	28	2.348	65.72	4.12	29	1.421	94.31	4.55
30	1.752	61.49	3.84	31	2.676	79.13	4.14	32	2.922	93.77	4.48
33	1.001	87.90	4.58	34	0.753	98.98	4.75	35	0.598	42.97	3.14
36	1.141	123.60	5.69	37	0.390	122.94	5.66	43	0.381	126.43	5.61
44	0.359	127.90	5.60	46	1.024	124.93	5.54	49	1.649	127.33	5.61
50	0.541	78.56	4.72	51	0.622	68.76	4.41	52	0.375	124.60	5.55
53	0.956	126.64	5.59	59	1.385	124.74	5.47	62	3.824	104.89	5.35
63	1.671	102.21	5.34	67	1.020	137.49	5.67	68	0.944	129.09	5.63
70	9.514	103.75	5.25	71	9.790	102.37	5.23	72	4.500	125.58	5.65
73	4.742	123.50	5.63	78	2.068	136.39	5.42	79	2.149	130.60	5.59
81	0.495	129.82	5.68	83	0.642	130.39	5.62	85	1.586	97.85	4.87
86	1.404	114.96	5.34	87	1.758	84.53	4.24	89	1.695	71.73	4.41
90	1.371	52.99	3.92	91	3.764	92.91	4.80	92	5.853	117.89	5.55
93	2.414	117.88	5.59	94	3.682	73.48	4.34	95	4.287	124.09	5.61
96	2.815	110.28	5.69	98	1.222	95.06	5.67	104	1.893	120.63	5.60
139	0.934	8.36	1.66	140	0.462	135.82	5.00	999	0.759A	54.16	2.00

EQUATIONS FOR ESTIMATING STATURE, MAXIMUM								NO. 8			
X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.427	138.10	5.10	7	1.001	0.48	0.38	9	1.068	14.09	1.24
10	1.055	23.64	1.68	11	1.107	16.62	1.36	12	1.071	36.03	2.26
13	1.226	39.81	2.42	14	1.224	48.73	2.64	15	1.205	63.13	3.13
16	1.228	61.79	3.18	17	1.254	71.58	3.41	18	1.999	78.82	3.70
19	1.276	67.68	3.14	21	4.359	133.22	5.45	22	1.451	40.46	3.74
23	1.526	32.12	3.59	24	1.457	55.36	4.05	25	1.628	68.33	4.19
26	1.417	129.64	5.50	28	2.363	65.75	4.12	29	1.429	94.57	4.55
30	1.761	61.62	3.84	31	2.693	79.25	4.14	32	2.945	93.87	4.48
33	1.005	88.25	4.59	34	0.757	99.29	4.76	35	0.601	43.01	3.14
36	1.140	124.27	5.71	37	0.392	123.39	5.68	43	0.380	127.17	5.64
44	0.360	128.45	5.62	46	1.027	125.47	5.55	49	1.653	127.89	5.63
50	0.543	78.89	4.73	51	0.625	68.96	4.41	52	0.377	125.05	5.57
53	0.961	127.10	5.61	59	1.388	125.30	5.49	62	3.849	105.16	5.36
63	1.676	102.67	5.36	67	1.029	137.92	5.68	68	0.946	129.67	5.65
70	9.586	103.95	5.26	71	9.867	102.55	5.24	72	4.569	125.66	5.66
73	4.811	123.59	5.64	78	2.097	136.67	5.42	79	2.157	131.12	5.61
81	0.495	130.46	5.70	83	0.647	130.79	5.63	85	1.599	97.97	4.87
86	1.408	115.47	5.36	87	1.766	84.82	4.25	89	1.704	71.90	4.41
90	1.379	53.00	3.91	91	3.797	92.95	4.80	92	5.899	118.19	5.57
93	2.434	118.16	5.60	94	3.716	73.31	4.32	95	4.290	124.71	5.63
96	2.851	110.26	5.70	98	1.241	94.66	5.68	104	1.891	121.32	5.62
139	0.938	8.35	1.62	140	0.465	136.29	5.01	999	0.762A	54.37	2.01

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI
SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING CERVICAL HEIGHT

								NO. 9			
X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.397	116.28	4.64	7	0.898	-6.37	1.17	8	0.897	-6.79	1.14
10	0.972	11.03	1.45	11	1.012	5.61	1.29	12	0.981	23.13	2.07
13	1.137	25.18	2.07	14	1.136	33.38	2.28	15	1.120	46.60	2.76
16	1.148	44.82	2.76	17	1.169	54.21	3.00	18	1.893	59.72	3.20
19	1.200	49.79	2.66	20	1.335	124.26	5.21	21	3.937	112.53	5.01
22	1.247	34.10	3.74	23	1.311	26.97	3.63	24	1.261	46.25	3.95
25	1.461	54.46	3.92	26	1.268	109.57	5.06	28	2.211	48.44	3.68
29	1.346	74.98	4.08	30	1.653	44.27	3.39	31	2.491	61.96	3.75
32	2.776	74.27	4.00	33	0.942	69.36	4.14	34	0.699	80.60	4.34
35	0.552	29.22	2.86	37	0.359	103.15	5.20	43	0.349	106.52	5.16
44	0.335	107.28	5.14	46	0.951	104.67	5.08	49	1.491	107.76	5.17
50	0.492	63.22	4.36	51	0.568	53.96	4.07	52	0.352	104.00	5.09
53	0.901	105.77	5.12	59	1.288	104.45	5.02	62	3.492	86.95	4.93
63	1.521	84.68	4.92	67	0.977	115.62	5.19	68	0.869	108.81	5.17
70	8.690	85.89	4.83	71	9.023	84.15	4.80	72	4.210	105.03	5.18
73	4.433	103.11	5.17	78	1.971	114.68	4.94	79	2.017	109.62	5.12
83	0.607	109.22	5.15	85	1.517	77.74	4.38	86	1.232	97.83	4.96
87	1.664	65.77	3.78	89	1.556	56.23	4.06	90	1.277	37.57	3.54
91	3.475	75.31	4.40	92	5.325	98.97	5.11	93	2.212	98.68	5.14
94	3.409	57.15	3.96	95	3.837	105.17	5.18	139	0.853	-1.21	1.64
140	0.429	114.79	4.58	999	0.708A	45.79	1.83				

EQUATIONS FOR ESTIMATING ACROMIAL HEIGHT

								NO. 10			
X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.402	108.65	4.57	7	0.875	-9.98	1.56	8	0.874	-10.38	1.53
9	0.958	-1.49	1.44	11	1.000	-0.14	1.39	12	0.982	15.67	1.95
13	1.119	19.65	2.16	14	1.115	28.00	2.39	15	1.112	39.93	2.74
16	1.131	38.88	2.80	17	1.145	48.62	3.07	18	1.839	54.65	3.30
19	1.176	44.24	2.75	21	3.857	105.73	4.99	22	1.197	30.98	3.86
23	1.261	23.92	3.75	24	1.206	42.97	4.05	25	1.485	45.73	3.80
26	1.253	102.58	5.03	28	2.169	42.83	3.71	29	1.338	68.02	4.05
30	1.641	37.62	3.37	31	2.534	53.29	3.61	32	2.712	68.44	4.03
33	0.928	63.07	4.13	34	0.692	73.85	4.32	35	0.549	22.49	2.82
37	0.374	94.31	5.13	40	0.369	104.43	5.18	43	0.363	97.87	5.09
44	0.341	99.37	5.08	46	0.951	97.34	5.04	49	1.460	101.08	5.15
50	0.509	53.26	4.22	51	0.582	44.52	3.93	52	0.364	95.46	5.01
53	0.976	95.65	5.00	59	1.307	96.60	4.96	60	1.325	100.75	5.17
61	1.178	102.44	5.18	62	3.479	79.81	4.89	63	1.395	81.86	4.98
64	0.764	99.87	5.19	67	1.017	107.32	5.11	68	0.866	101.58	5.13
70	8.638	78.88	4.80	71	8.973	77.12	4.77	72	4.171	98.01	5.15
73	4.426	95.83	5.13	78	1.939	107.75	4.91	83	0.592	102.62	5.12
85	1.376	76.12	4.55	86	1.221	90.86	4.93	87	1.590	61.70	3.91
89	1.508	51.46	4.11	90	1.249	32.46	3.58	91	3.384	69.65	4.41
92	5.286	91.93	5.08	93	2.225	91.10	5.09	94	3.322	51.90	4.00
95	3.846	97.76	5.13	139	0.833	-5.26	1.87	140	0.435	107.11	4.50
999	0.718A	42.77	1.80								

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI
SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING SUPRASTERNALE HEIGHT

NO. 11

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.390	109.49	4.42	7	0.859	-7.25	1.23	8	0.858	-7.64	1.19
9	0.934	1.99	1.24	10	0.936	8.58	1.35	12	0.958	18.65	1.78
13	1.097	22.00	1.94	14	1.098	29.72	2.13	15	1.086	42.22	2.58
16	1.106	41.07	2.63	17	1.119	50.65	2.91	18	1.805	56.22	3.12
19	1.158	45.73	2.52	21	3.816	106.15	4.81	22	1.184	32.22	3.64
23	1.244	25.52	3.54	24	1.193	44.07	3.85	25	1.367	52.72	3.86
26	1.198	104.01	4.88	28	2.128	44.65	3.53	29	1.321	68.98	3.85
30	1.610	39.54	3.18	31	2.398	57.65	3.59	32	2.659	69.82	3.86
33	0.896	65.58	4.00	34	0.667	76.08	4.19	35	0.535	25.42	2.67
37	0.368	95.05	4.95	43	0.344	99.79	4.94	44	0.329	100.66	4.92
46	0.941	97.84	4.85	49	1.458	101.26	4.96	50	0.476	58.49	4.17
51	0.543	50.52	3.93	52	0.347	97.30	4.86	53	0.895	98.80	4.89
59	1.279	97.50	4.79	60	1.299	101.51	4.99	61	1.169	102.81	5.00
62	3.446	80.44	4.70	63	1.469	79.35	4.72	64	0.729	101.48	5.03
67	0.942	109.27	4.98	68	0.837	102.73	4.97	70	8.569	79.44	4.60
71	8.809	78.26	4.59	72	4.099	98.73	4.97	73	4.306	96.95	4.96
78	1.922	108.10	4.72	79	1.832	105.14	4.96	81	0.433	103.76	5.02
83	0.554	104.64	4.98	85	1.313	78.81	4.43	86	1.311	87.98	4.64
87	1.574	62.55	3.70	89	1.489	52.61	3.91	90	1.225	34.51	3.40
91	3.364	70.16	4.21	92	5.138	93.19	4.91	93	2.188	91.92	4.92
94	3.272	53.25	3.81	95	3.801	98.30	4.95	98	1.042	74.83	5.02
104	1.557	97.89	5.00	139	0.815	-2.15	1.66	140	0.422	107.99	4.35
999	0.696A	43.11	1.74								

EQUATIONS FOR ESTIMATING BUSTPOINT HEIGHT

NO. 12

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.317	100.02	4.64	7	0.805	-12.17	1.96	8	0.803	-12.37	1.96
9	0.876	-3.62	1.95	10	0.889	1.10	1.85	11	0.926	-3.91	1.75
13	1.040	14.03	2.30	14	1.053	20.23	2.35	15	1.046	31.84	2.70
16	1.057	31.42	2.80	17	1.101	38.28	2.86	18	1.724	45.94	3.22
19	1.115	35.25	2.64	21	3.503	94.59	4.79	22	1.056	29.32	3.92
23	1.108	23.47	3.85	24	1.054	40.63	4.10	25	1.236	46.63	4.05
26	1.024	94.39	4.90	28	2.048	34.25	3.56	29	1.236	59.35	3.94
30	1.496	32.41	3.42	31	2.266	48.06	3.69	32	2.562	58.40	3.86
33	0.843	55.83	4.06	34	0.639	64.75	4.18	35	0.508	17.11	2.88
46	0.759	90.77	4.92	50	0.411	54.85	4.38	51	0.478	46.59	4.17
59	1.113	88.29	4.82	62	2.897	74.97	4.79	63	1.312	71.29	4.75
70	7.443	72.67	4.69	71	7.706	71.30	4.67	78	1.662	97.65	4.78
85	1.202	69.62	4.48	86	1.102	81.32	4.75	87	1.559	49.52	3.61
89	1.357	45.97	4.06	90	1.148	26.96	3.56	91	3.098	61.37	4.28
92	4.473	84.53	4.91	93	1.847	84.49	4.94	94	2.985	46.47	3.98
95	3.573	86.63	4.90	139	0.758	-6.45	2.30	140	0.346	98.63	4.58
999	0.566A	39.38	1.83								

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI
SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING WAIST HEIGHT

NO. 13

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.297	83.13	3.90	7	0.685	-10.76	1.83	8	0.684	-11.04	1.81
9	0.755	-4.81	1.69	10	0.755	0.72	1.77	11	0.790	-4.00	1.65
12	0.774	8.70	1.99	14	0.963	10.57	1.45	15	0.945	22.15	1.99
16	0.961	21.27	2.06	17	0.981	28.96	2.26	18	1.574	34.20	2.50
19	1.015	24.66	1.87	21	3.127	79.10	4.11	22	0.825	30.75	3.61
23	0.862	26.49	3.58	24	0.827	39.33	3.72	25	0.945	45.47	3.73
26	1.080	75.04	4.09	28	1.843	24.63	2.91	29	1.157	45.08	3.17
30	1.382	20.91	2.64	31	2.068	36.16	2.99	32	2.298	46.54	3.22
33	0.757	44.16	3.41	34	0.565	52.91	3.55	35	0.439	12.82	2.48
43	0.255	76.40	4.27	44	0.252	76.27	4.24	46	0.700	74.87	4.21
50	0.328	49.63	3.89	51	0.385	42.50	3.72	52	0.266	73.68	4.20
53	0.672	75.35	4.23	59	0.967	74.19	4.15	62	2.514	62.66	4.13
63	1.122	60.06	4.10	68	0.646	77.69	4.26	70	6.477	60.55	4.04
71	6.660	59.65	4.03	78	1.593	80.47	4.03	79	1.477	78.62	4.24
83	0.440	78.55	4.26	85	0.801	67.83	4.13	87	1.372	39.74	3.04
89	1.234	34.49	3.38	90	1.030	18.31	2.92	91	2.827	48.31	3.59
92	3.929	70.60	4.23	93	1.594	71.08	4.26	94	2.711	35.03	3.30
95	3.079	72.98	4.23	139	0.653	-7.21	1.99	140	0.323	81.90	3.85
999	0.530A	32.73	1.54								

EQUATIONS FOR ESTIMATING ABDOMINAL EXTENSION HEIGHT

NO. 14

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.253	78.55	3.99	7	0.661	-14.00	1.96	8	0.660	-14.26	1.94
9	0.730	-8.46	1.83	10	0.726	-2.58	1.93	11	0.764	-7.70	1.78
12	0.758	3.47	1.99	13	0.931	-0.21	1.42	15	0.928	16.43	1.97
16	0.950	15.05	1.98	17	0.975	22.27	2.15	18	1.554	27.91	2.43
19	1.008	18.05	1.75	21	3.080	72.29	4.04	22	0.747	30.20	3.70
23	0.780	26.38	3.67	24	0.742	38.46	3.80	25	0.840	44.43	3.82
28	1.854	17.05	2.77	29	1.122	39.62	3.16	30	1.334	16.54	2.69
31	2.035	30.05	2.94	32	2.246	40.63	3.18	33	0.728	39.18	3.41
34	0.538	48.05	3.56	35	0.427	8.08	2.49	50	0.274	50.84	4.00
51	0.331	43.48	3.86	59	0.919	68.36	4.11	62	2.279	59.05	4.11
63	1.042	55.80	4.08	70	6.171	55.30	4.00	71	6.364	54.32	3.99
78	1.457	75.03	4.03	79	1.406	72.54	4.18	85	0.835	59.32	4.02
87	1.371	32.65	2.93	89	1.178	30.34	3.40	90	0.997	13.81	2.93
91	2.785	41.95	3.53	92	3.775	64.64	4.17	94	2.592	30.77	3.32
95	2.842	67.95	4.19	139	0.630	-10.55	2.10	140	0.277	77.39	3.95
999	0.452A	30.92	1.57								

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI
SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING TROCHANTERIC HEIGHT

NO. 15

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.261	67.60	3.79	7	0.606	-15.56	2.24	8	0.605	-15.79	2.22
9	0.670	-10.59	2.14	10	0.675	-6.33	2.13	11	0.704	-10.26	2.07
12	0.701	-0.27	2.21	13	0.850	-2.56	1.89	14	0.864	2.19	1.90
16	0.906	8.19	2.00	17	0.927	15.28	2.17	18	1.410	23.48	2.64
19	0.955	11.52	1.85	21	2.761	63.97	3.95	22	0.647	28.14	3.71
23	0.682	24.29	3.68	24	0.636	35.80	3.80	25	0.754	38.94	3.77
28	1.720	12.07	2.82	29	1.078	31.24	3.06	30	1.293	8.42	2.57
31	1.997	20.75	2.77	32	2.158	32.20	3.08	33	0.715	29.67	3.25
34	0.546	36.90	3.34	35	0.414	0.19	2.38	46	0.599	60.93	4.05
50	0.271	40.82	3.84	51	0.313	35.70	3.74	52	0.226	60.07	4.04
53	0.595	60.60	4.04	59	0.931	57.56	3.93	62	2.196	49.81	3.97
63	1.044	45.25	3.91	70	5.513	48.86	3.92	71	5.741	47.65	3.90
78	1.460	64.52	3.86	79	1.356	62.79	4.04	85	0.717	53.63	3.96
87	1.312	24.78	2.86	89	1.117	23.12	3.32	90	0.954	6.75	2.86
91	2.665	33.68	3.42	92	3.600	55.48	4.03	94	2.488	22.79	3.22
95	2.947	56.54	4.01	98	0.835	36.86	4.05	139	0.579	-12.63	2.32
140	0.281	66.69	3.76	999	0.466A	26.62	1.49				

EQUATIONS FOR ESTIMATING BUTTOCK HEIGHT

NO. 16

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.259	67.26	3.68	7	0.588	-13.10	2.21	8	0.587	-13.32	2.20
9	0.653	-8.68	2.08	10	0.653	-3.89	2.13	11	0.682	-7.81	2.06
12	0.674	2.47	2.23	13	0.823	-0.32	1.90	14	0.842	3.78	1.86
15	0.862	10.95	1.95	17	0.930	14.60	1.94	18	1.435	21.97	2.39
19	0.937	12.40	1.76	21	2.832	63.03	3.82	22	0.604	31.31	3.67
23	0.633	28.03	3.65	24	0.595	38.36	3.74	25	0.692	42.08	3.73
28	1.748	10.46	2.60	29	1.075	30.92	2.92	30	1.280	8.70	2.44
31	1.891	23.58	2.81	32	2.091	33.31	3.02	33	0.684	31.51	3.21
34	0.493	40.88	3.40	35	0.382	6.11	2.57	46	0.607	60.18	3.93
50	0.242	44.84	3.82	51	0.290	38.69	3.70	52	0.220	60.21	3.94
53	0.589	60.36	3.94	59	0.876	58.58	3.86	62	2.173	49.70	3.87
63	0.922	49.17	3.88	67	0.689	65.59	3.94	70	5.227	50.15	3.84
71	5.547	48.37	3.81	78	1.468	63.96	3.74	85	0.656	55.64	3.90
87	1.251	27.01	2.86	89	1.060	25.70	3.29	90	0.913	9.55	2.86
91	2.485	36.53	3.41	94	2.352	25.60	3.21	139	0.561	-10.13	2.30
140	0.277	66.45	3.66	999	0.462A	26.49	1.45				

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI

SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING GLUTEAL FURROW HEIGHT								NO. 17			
X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.192	61.62	3.69	7	0.544	-15.48	2.24	8	0.542	-15.51	2.24
9	0.602	-11.09	2.16	10	0.599	-6.28	2.22	11	0.625	-9.80	2.17
12	0.636	-2.55	2.17	13	0.761	-3.61	1.99	14	0.782	-0.14	1.93
15	0.799	6.65	2.02	16	0.842	3.48	1.84	18	1.347	16.15	2.33
19	0.869	7.96	1.85	21	2.452	56.09	3.69	22	0.530	28.03	3.57
23	0.556	25.11	3.55	24	0.517	34.60	3.63	25	0.599	37.96	3.63
28	1.578	7.93	2.66	29	0.941	27.81	2.99	30	1.110	8.96	2.67
31	1.730	19.06	2.79	32	1.953	27.03	2.92	33	0.633	25.78	3.11
34	0.468	33.47	3.24	35	0.357	1.58	2.52	50	0.187	43.82	3.75
51	0.234	37.59	3.65	59	0.736	52.85	3.74	63	0.823	43.20	3.72
70	4.450	45.41	3.72	71	4.690	44.09	3.70	78	1.152	58.37	3.69
85	0.626	47.34	3.71	87	1.223	18.73	2.64	89	0.976	20.66	3.19
90	0.845	5.45	2.80	91	2.254	31.27	3.32	94	2.115	21.80	3.16
139	0.515	-12.07	2.36	140	0.210	60.75	3.66	999	0.344A	24.24	1.45

EQUATIONS FOR ESTIMATING TIBIALE HEIGHT								NO. 18			
X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.129	34.53	2.17	7	0.311	-8.43	1.47	8	0.311	-8.63	1.46
9	0.351	-6.88	1.38	10	0.346	-3.64	1.43	11	0.363	-5.93	1.40
12	0.358	-0.38	1.47	13	0.439	-2.04	1.32	14	0.449	0.16	1.31
15	0.437	5.85	1.47	16	0.468	3.51	1.36	17	0.485	6.72	1.40
19	0.497	4.95	1.28	20	0.777	33.29	2.13	21	1.550	31.48	2.20
22	0.329	14.26	2.12	23	0.340	12.88	2.12	24	0.327	17.88	2.16
25	0.369	20.58	2.16	28	0.941	3.36	1.61	29	0.528	16.79	1.88
30	0.627	5.98	1.71	31	0.939	12.87	1.82	32	1.214	13.59	1.70
33	0.373	14.33	1.89	34	0.268	19.52	1.98	35	0.204	1.34	1.61
50	0.126	22.52	2.21	51	0.151	19.32	2.16	59	0.462	29.52	2.23
62	1.164	24.57	2.23	63	0.524	23.20	2.22	70	2.980	23.70	2.19
71	3.069	23.26	2.19	78	0.760	32.53	2.18	83	0.243	29.98	2.24
85	0.367	27.11	2.23	87	0.721	10.17	1.62	89	0.575	11.33	1.93
90	0.505	1.79	1.68	91	1.235	19.28	2.06	94	1.288	10.98	1.88
139	0.297	-6.90	1.51	140	0.141	33.96	2.15	999	0.230A	13.60	0.85

EQUATIONS FOR ESTIMATING CROTCH HEIGHT								NO. 19			
X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.231	61.17	3.64	7	0.570	-17.89	2.13	8	0.571	-18.42	2.10
9	0.640	-14.58	1.94	10	0.636	-9.36	2.02	11	0.669	-13.80	1.91
12	0.666	-4.30	2.04	13	0.814	-7.12	1.68	14	0.837	-3.46	1.59
15	0.851	4.15	1.74	16	0.878	2.32	1.70	17	0.899	9.15	1.88
18	1.428	14.55	2.17	21	2.566	57.12	3.74	22	0.564	26.97	3.59
23	0.594	23.66	3.56	24	0.557	33.45	3.65	25	0.630	37.97	3.66
28	1.707	4.44	2.48	29	1.045	24.65	2.82	30	1.241	3.24	2.36
31	1.857	16.93	2.67	32	2.110	25.16	2.81	33	0.682	23.95	3.04
34	0.503	32.34	3.20	35	0.383	-1.80	2.35	50	0.214	41.46	3.75
51	0.258	35.79	3.66	59	0.828	52.17	3.75	62	2.028	44.16	3.76
63	0.934	41.03	3.73	70	5.148	42.93	3.71	71	5.392	41.61	3.69
78	1.392	57.19	3.63	79	1.256	56.09	3.82	85	0.677	47.08	3.74
87	1.293	17.45	2.55	89	1.054	18.31	3.13	90	0.914	1.76	2.65
91	2.459	29.30	3.27	92	3.396	48.85	3.81	94	2.374	17.37	3.01
139	0.551	-16.19	2.16	140	0.251	60.22	3.60	999	0.412A	24.09	1.43

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI

SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING ANKLE HEIGHT

NO. 20

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
9	0.804A	-0.00	1.28	18	0.252	0.61	1.21	32	0.377	2.37	1.25
35	0.525A	0.73	1.28	87	0.214	1.74	1.25				

EQUATIONS FOR ESTIMATING LATERAL MALLEOLUS HEIGHT

NO. 21

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
7	0.416A	0.03	0.53	8	0.414A	0.04	0.53	9	0.445A	0.58	0.53
10	0.443A	0.93	0.53	11	0.468A	0.60	0.53	12	0.444A	1.52	0.54
13	0.532A	1.44	0.54	14	0.543A	1.72	0.54	15	0.522A	2.46	0.54
16	0.563A	2.15	0.54	17	0.539A	2.86	0.55	18	0.946A	2.80	0.54
19	0.545A	2.71	0.54	22	0.593A	1.78	0.55	23	0.615A	1.51	0.55
28	0.114	2.09	0.55	31	0.116	3.18	0.56	139	0.392A	0.32	0.53

EQUATIONS FOR ESTIMATING SITTING HEIGHT, RELAXED

NO. 22

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.195	73.02	2.90	7	0.424	15.55	2.03	8	0.423	15.44	2.02
9	0.433	24.01	2.21	10	0.422	28.63	2.29	11	0.445	25.54	2.23
12	0.411	35.65	2.45	13	0.431	41.06	2.61	14	0.404	46.64	2.72
15	0.376	53.19	2.83	16	0.368	54.02	2.87	17	0.357	58.32	2.93
18	0.616	58.42	2.90	19	0.367	56.93	2.90	21	1.820	71.95	3.07
23	0.993	-0.72	0.81	24	0.961	13.45	1.39	25	1.041	23.90	1.71
26	1.020	60.44	2.73	27	0.711	68.13	2.74	28	0.691	55.91	2.99
30	0.496	55.79	2.98	31	0.861	57.58	2.93	32	0.859	64.19	3.03
33	0.327	60.04	2.99	34	0.261	62.40	2.99	35	0.226	39.25	2.62
44	0.192	65.99	3.04	46	0.488	66.56	3.06	49	0.878	65.77	3.05
50	0.321	34.71	2.39	51	0.368	29.05	2.18	52	0.193	64.98	3.03
53	0.451	67.55	3.08	62	1.832	56.87	2.98	63	0.743	57.65	3.02
68	0.520	66.09	3.04	70	4.408	57.24	2.96	71	4.471	57.00	2.96
81	0.287	65.56	3.05	85	0.902	47.74	2.56	86	0.862	55.33	2.78
87	0.504	62.04	3.02	89	0.656	49.30	2.84	90	0.475	46.48	2.84
91	1.365	59.18	2.98	94	1.397	50.65	2.84	139	0.392	19.75	2.17
140	0.212	72.22	2.87	999	0.349A	28.74	1.14				

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI
SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING SITTING HEIGHT										NO. 23	
X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.203	73.88	2.78	7	0.423	17.03	1.90	8	0.422	16.92	1.89
9	0.432	25.47	2.09	10	0.422	29.96	2.17	11	0.445	26.86	2.12
12	0.409	37.21	2.34	13	0.428	42.68	2.52	14	0.401	48.25	2.63
15	0.376	54.52	2.73	16	0.367	55.43	2.78	17	0.356	59.72	2.84
18	0.604	60.24	2.83	19	0.367	58.26	2.80	21	1.793	73.45	2.99
22	0.943	6.13	0.79	24	0.961	14.77	1.18	25	1.050	24.70	1.50
26	1.017	61.83	2.63	27	0.702	69.66	2.66	28	0.678	57.77	2.91
29	0.369	67.99	3.00	30	0.518	55.85	2.86	31	0.875	58.47	2.83
32	0.877	65.09	2.93	33	0.321	61.80	2.91	34	0.272	62.80	2.88
35	0.228	40.18	2.50	36	0.615	64.84	3.00	43	0.196	67.25	2.97
44	0.201	66.45	2.93	46	0.511	67.05	2.95	49	0.927	66.05	2.94
50	0.326	35.26	2.24	51	0.372	29.78	2.02	52	0.200	65.60	2.92
53	0.468	68.24	2.98	59	0.585	69.82	2.99	62	1.902	57.14	2.87
63	0.743	58.97	2.93	68	0.542	66.65	2.93	70	4.546	57.72	2.85
71	4.597	57.55	2.85	73	2.314	66.76	3.00	78	0.810	75.53	3.00
81	0.289	66.75	2.96	83	0.308	70.39	3.00	85	0.940	47.52	2.39
86	0.860	56.72	2.69	87	0.510	63.10	2.92	89	0.657	50.57	2.75
90	0.478	47.56	2.74	91	1.369	60.43	2.88	92	2.601	65.95	3.00
93	1.113	65.21	3.00	94	1.430	51.18	2.73	104	0.891	66.08	3.00
139	0.393	20.91	2.04	140	0.219	73.14	2.75	999	0.362A	29.09	1.09

EQUATIONS FOR ESTIMATING EYE HEIGHT, SITTING										NO. 24	
X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.182	63.20	2.73	7	0.375	12.92	2.07	8	0.376	12.51	2.06
9	0.387	19.84	2.19	10	0.376	24.13	2.26	11	0.397	21.30	2.22
12	0.363	30.75	2.40	13	0.382	35.40	2.53	14	0.355	40.64	2.62
15	0.326	46.75	2.72	16	0.321	47.31	2.75	17	0.308	51.31	2.80
18	0.541	50.99	2.77	19	0.321	49.79	2.77	22	0.850	2.07	1.31
23	0.895	-2.91	1.14	25	0.964	17.79	1.67	26	1.004	50.24	2.51
27	0.693	57.97	2.54	28	0.590	49.49	2.85	30	0.456	47.52	2.81
31	0.770	49.83	2.79	32	0.718	56.91	2.90	33	0.263	54.21	2.88
34	0.241	53.50	2.82	35	0.200	33.86	2.54	43	0.179	56.94	2.89
44	0.184	56.17	2.85	46	0.463	56.90	2.87	49	0.815	56.52	2.87
50	0.299	27.53	2.27	51	0.341	22.53	2.09	52	0.184	55.30	2.84
53	0.427	57.86	2.90	62	1.712	48.09	2.80	63	0.632	51.05	2.88
68	0.511	55.84	2.84	70	4.171	48.12	2.78	71	4.120	48.57	2.79
72	2.234	55.57	2.89	73	2.328	54.76	2.88	78	0.816	63.56	2.88
81	0.273	55.90	2.86	83	0.297	59.04	2.90	85	0.834	39.92	2.44
86	0.791	47.14	2.64	87	0.412	55.52	2.89	89	0.582	42.67	2.72
90	0.413	40.84	2.73	91	1.222	51.24	2.82	94	1.220	44.34	2.73
139	0.351	15.93	2.15	140	0.198	62.44	2.71	999	0.325A	24.88	1.08

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI
SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING MIDSHOULDER HEIGHT, SITTING

NO. 25

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.176	47.84	2.31	7	0.317	6.61	1.85	8	0.317	6.41	1.85
9	0.339	10.81	1.89	10	0.350	11.85	1.84	11	0.344	12.59	1.94
12	0.321	20.02	2.06	13	0.330	24.91	2.21	14	0.303	29.77	2.29
15	0.293	33.77	2.35	16	0.282	34.81	2.38	17	0.270	38.37	2.43
18	0.462	38.60	2.42	19	0.274	37.58	2.42	22	0.696	-0.66	1.40
23	0.739	-5.26	1.26	24	0.728	4.34	1.45	26	0.855	38.02	2.21
27	0.697	42.17	2.03	28	0.516	36.82	2.48	30	0.406	34.68	2.43
31	0.681	36.88	2.42	32	0.674	42.24	2.49	33	0.270	37.98	2.44
34	0.212	40.23	2.45	35	0.177	22.73	2.19	36	0.527	40.21	2.51
37	0.173	40.63	2.51	43	0.181	41.05	2.46	44	0.179	40.94	2.43
46	0.438	42.10	2.47	49	0.751	42.16	2.48	50	0.291	13.06	1.75
51	0.331	8.33	1.53	52	0.182	39.80	2.42	53	0.457	41.04	2.44
59	0.486	44.89	2.51	60	0.631	43.18	2.51	62	1.519	35.27	2.43
63	0.524	39.22	2.52	67	0.464	46.80	2.50	68	0.463	41.81	2.45
69	0.316	45.93	2.50	70	3.456	36.80	2.44	71	3.649	35.73	2.42
81	0.233	42.80	2.50	83	0.265	44.91	2.51	85	0.771	26.76	2.04
86	0.673	35.40	2.31	87	0.369	41.71	2.50	89	0.487	32.03	2.39
90	0.363	29.11	2.37	91	0.998	39.65	2.48	94	1.073	32.17	2.37
139	0.300	8.62	1.91	140	0.190	47.19	2.28	999	0.314A	18.84	0.91

EQUATIONS FOR ESTIMATING WAIST HEIGHT, SITTING

NO. 26

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.890A	18.23	1.60	7	0.117	4.40	1.59	8	0.117	4.33	1.58
9	0.125	5.97	1.59	10	0.125	6.89	1.59	11	0.128	6.47	1.60
12	0.113	10.00	1.63	13	0.160	7.32	1.58	22	0.290	-1.07	1.45
23	0.304	-2.65	1.44	24	0.323	-0.44	1.43	25	0.364	2.26	1.44
27	0.300	16.56	1.57	43	0.103	13.72	1.64	44	0.109	12.98	1.60
50	0.124	4.22	1.51	51	0.141	2.21	1.47	52	0.109	12.47	1.60
53	0.246	14.24	1.64	68	0.281	13.54	1.62	69	0.214	15.20	1.62
139	0.107	5.76	1.60	140	0.946A	17.99	1.59	999	0.159A	7.18	0.63

EQUATIONS FOR ESTIMATING ELBOW REST HEIGHT

NO. 27

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
22	0.408	-11.68	2.07	23	0.424	-13.59	2.06	24	0.449	-10.39	2.04
25	0.598	-11.98	1.88	26	0.605	8.57	2.23	50	0.154	-1.08	2.22
51	0.180	-4.31	2.16	85	0.407	6.22	2.29	86	0.406	9.07	2.33

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI
SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING POPLITEAL HEIGHT

NO. 28

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.915A	35.76	1.73	7	0.225	4.57	1.28	8	0.226	4.27	1.27
9	0.251	6.11	1.24	10	0.250	8.08	1.26	11	0.262	6.46	1.24
12	0.261	10.17	1.27	13	0.315	9.46	1.20	14	0.328	10.49	1.16
15	0.327	14.01	1.23	16	0.349	12.36	1.16	17	0.348	15.75	1.25
18	0.577	16.82	1.26	19	0.364	13.93	1.15	21	1.148	33.27	1.73
22	0.226	22.00	1.71	23	0.234	21.02	1.71	24	0.218	24.98	1.74
25	0.253	26.37	1.73	29	0.377	23.06	1.54	30	0.461	14.57	1.41
31	0.720	18.72	1.45	32	0.836	21.50	1.47	33	0.273	20.81	1.53
34	0.185	25.54	1.63	35	0.146	11.96	1.38	51	0.100	26.04	1.74
59	0.338	31.93	1.76	62	0.924	27.22	1.74	63	0.371	27.75	1.76
70	2.163	27.78	1.74	71	2.238	27.39	1.73	78	0.566	34.01	1.72
87	0.491	19.38	1.43	89	0.418	18.76	1.57	90	0.364	12.08	1.42
91	1.080	21.19	1.55	92	1.621	28.80	1.75	94	0.976	17.56	1.50
139	0.214	5.82	1.31	140	0.100	35.36	1.72	999	0.163A	14.09	0.68

EQUATIONS FOR ESTIMATING BUTTOCK-POPLITEAL LENGTH

NO. 29

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.207	35.76	2.28	7	0.300	-0.92	2.09	8	0.300	-1.11	2.09
9	0.336	0.94	2.04	10	0.339	3.01	2.04	11	0.358	0.45	2.00
12	0.346	6.77	2.09	13	0.435	4.09	1.94	14	0.437	7.00	1.97
15	0.450	10.51	1.98	16	0.472	8.91	1.94	17	0.456	14.56	2.08
18	0.711	17.86	2.18	19	0.490	11.20	1.93	23	0.280	23.74	2.61
28	0.828	13.72	2.29	30	0.906	-4.32	1.38	31	1.014	16.27	2.21
32	1.126	21.38	2.29	33	0.366	20.58	2.36	34	0.276	24.57	2.41
35	0.201	7.67	2.16	37	0.210	26.62	2.54	38	0.194	31.37	2.59
39	0.167	32.73	2.59	40	0.200	32.85	2.58	41	0.196	34.54	2.54
42	0.132	36.41	2.59	43	0.237	25.52	2.42	44	0.219	26.85	2.42
45	0.277	32.34	2.50	46	0.533	28.36	2.48	50	0.177	20.38	2.48
51	0.183	20.25	2.48	52	0.219	25.81	2.41	53	0.470	30.27	2.54
59	0.552	32.82	2.58	60	0.697	31.35	2.59	61	0.618	32.28	2.59
62	1.315	28.03	2.60	63	0.579	26.96	2.59	64	0.440	29.29	2.56
65	0.461	34.81	2.61	67	0.535	34.80	2.56	68	0.530	29.18	2.50
69	0.342	34.65	2.58	70	3.224	27.94	2.58	71	3.369	27.16	2.57
74	0.491	36.10	2.59	75	0.546	38.42	2.60	76	0.518	36.89	2.53
77	0.687	33.18	2.47	78	1.052	34.63	2.42	87	0.648	19.12	2.27
89	0.614	14.97	2.33	90	0.511	7.04	2.18	91	1.286	24.07	2.47
94	1.281	16.88	2.35	139	0.295	-0.85	2.07	140	0.219	35.25	2.26
999	0.370A	14.07	0.90								

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI

SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING BUTTOCK-KNEE LENGTH

NO. 30

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.243	43.40	1.90	7	0.337	2.80	1.68	8	0.337	2.58	1.68
9	0.376	5.09	1.62	10	0.379	7.45	1.62	11	0.397	5.02	1.58
12	0.382	12.23	1.73	13	0.474	9.90	1.55	14	0.473	13.37	1.60
15	0.492	16.75	1.59	16	0.513	15.25	1.54	17	0.491	21.73	1.78
18	0.770	25.10	1.89	19	0.530	17.94	1.54	22	0.326	29.95	2.41
23	0.358	26.78	2.38	24	0.338	32.52	2.42	25	0.398	34.35	2.41
28	0.924	19.50	2.00	29	0.826	18.02	1.32	31	1.105	23.17	1.93
32	1.219	28.92	2.04	33	0.410	27.03	2.10	34	0.313	31.19	2.14
35	0.228	12.00	1.77	36	0.550	38.87	2.47	37	0.247	32.63	2.31
38	0.233	37.80	2.37	39	0.197	39.75	2.38	40	0.237	39.81	2.37
41	0.228	42.11	2.32	42	0.154	44.24	2.38	43	0.272	31.96	2.15
44	0.255	33.13	2.14	45	0.320	39.68	2.26	46	0.646	33.98	2.19
47	0.524	39.54	2.36	48	0.515	39.80	2.36	49	0.784	40.90	2.43
50	0.214	24.38	2.19	51	0.223	23.96	2.19	52	0.257	31.73	2.12
53	0.557	36.76	2.31	54	0.423	45.82	2.44	55	0.439	46.18	2.43
56	0.453	45.29	2.42	57	0.416	46.75	2.44	58	0.434	45.91	2.42
59	0.680	39.08	2.34	60	0.896	36.39	2.33	61	0.798	37.50	2.34
62	1.703	31.95	2.34	63	0.680	33.05	2.39	64	0.524	35.49	2.34
65	0.543	42.23	2.42	66	0.575	46.77	2.48	67	0.638	42.03	2.33
68	0.626	35.54	2.24	69	0.415	41.58	2.35	70	3.873	33.67	2.35
71	4.020	32.90	2.34	72	2.086	40.50	2.46	73	2.235	39.24	2.45
74	0.569	43.98	2.39	75	0.625	46.79	2.42	76	0.588	45.14	2.32
77	0.800	40.51	2.21	78	1.244	41.96	2.12	81	0.241	41.71	2.46
83	0.301	42.56	2.44	84	0.296	44.95	2.47	85	0.384	41.87	2.49
86	0.443	42.55	2.49	87	0.704	26.36	2.01	89	0.699	20.16	2.03
90	0.571	11.99	1.83	91	1.413	31.45	2.26	92	2.330	39.83	2.47
93	1.050	38.19	2.46	94	1.462	22.24	2.05	95	1.909	40.50	2.46
98	0.559	26.76	2.47	107	0.899	38.38	2.49	139	0.331	2.94	1.66
140	0.254	42.98	1.90	999	0.434A	17.09	0.75				

EQUATIONS FOR ESTIMATING ACROMION-RADIALE LENGTH

NO. 31

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.953A	25.50	1.46	7	0.196	-0.77	1.12	8	0.196	-0.89	1.12
9	0.216	0.94	1.10	10	0.223	1.60	1.07	11	0.225	1.31	1.10
12	0.220	4.98	1.15	13	0.270	3.93	1.08	14	0.275	5.39	1.08
15	0.290	7.03	1.06	16	0.288	7.33	1.10	17	0.291	9.85	1.14
18	0.440	12.53	1.25	19	0.302	8.51	1.08	21	0.890	24.98	1.54
22	0.215	12.89	1.47	23	0.230	11.32	1.45	24	0.218	14.94	1.48
25	0.255	16.22	1.48	28	0.550	8.43	1.26	29	0.352	14.21	1.30
30	0.421	6.83	1.19	32	0.745	13.58	1.27	33	0.271	10.92	1.24
34	0.195	14.66	1.32	35	0.137	3.71	1.12	37	0.107	20.26	1.53
50	0.967A	16.07	1.48	51	0.111	14.35	1.45	52	0.852A	22.49	1.54
53	0.265	21.18	1.51	59	0.318	22.43	1.52	62	0.863	18.09	1.51
63	0.354	18.32	1.52	70	1.992	18.79	1.51	71	2.077	18.33	1.50
78	0.483	25.00	1.51	85	0.241	21.24	1.54	87	0.492	9.30	1.11
89	0.482	5.31	1.14	90	0.376	1.08	1.04	91	0.971	13.16	1.33
92	1.375	20.62	1.54	94	0.833	10.96	1.33	139	0.190	-0.27	1.12
140	0.104	25.09	1.44	999	0.170A	10.04	0.57				

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI

SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING RADIALE-STYLION LENGTH

NO. 32

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.683A	19.44	1.27	7	0.152	-1.25	1.02	8	0.152	-1.35	1.02
9	0.171	-0.42	0.99	10	0.169	1.10	1.01	11	0.177	0.02	1.00
12	0.176	2.56	1.01	13	0.212	2.13	0.98	14	0.215	3.36	0.98
15	0.222	5.03	0.99	16	0.226	4.81	0.99	17	0.233	6.45	1.01
18	0.402	6.51	0.98	19	0.243	5.28	0.95	20	0.385	19.08	1.26
22	0.152	10.58	1.28	23	0.163	9.43	1.27	24	0.144	12.77	1.30
25	0.179	13.01	1.28	28	0.452	4.83	1.08	29	0.277	10.17	1.13
30	0.329	4.49	1.06	31	0.528	7.02	1.07	33	0.218	7.23	1.08
34	0.162	9.81	1.12	35	0.110	1.47	0.99	50	0.694A	12.67	1.28
51	0.770A	11.83	1.27	59	0.267	16.18	1.28	62	0.657	13.56	1.29
63	0.305	12.45	1.27	70	1.497	14.20	1.29	71	1.607	13.58	1.28
78	0.376	18.71	1.28	87	0.446	3.71	0.84	89	0.312	6.75	1.14
90	0.302	-0.65	0.93	91	0.659	11.27	1.21	94	0.714	6.20	1.11
139	0.144	-0.32	1.04	140	0.738A	19.19	1.26	999	0.122A	7.65	0.50

EQUATIONS FOR ESTIMATING THUMB-TIP REACH

NO. 33

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.223	61.26	3.49	7	0.417	6.53	2.96	8	0.416	6.43	2.96
9	0.465	9.41	2.91	10	0.465	12.82	2.92	11	0.479	10.90	2.93
12	0.466	18.99	3.02	13	0.562	17.77	2.94	14	0.559	22.06	2.99
15	0.590	25.35	2.95	16	0.593	25.38	2.99	17	0.606	30.07	3.04
18	0.992	32.48	3.08	19	0.631	27.12	2.93	22	0.465	34.94	3.57
23	0.481	32.96	3.56	24	0.423	42.95	3.65	25	0.574	40.84	3.56
28	1.185	25.49	3.19	29	0.724	39.59	3.32	30	0.888	23.14	3.09
31	1.539	26.41	2.96	32	1.747	33.27	3.05	34	0.472	34.56	3.12
35	0.288	16.75	2.99	50	0.219	40.31	3.57	51	0.245	37.37	3.53
53	0.559	53.39	3.66	59	0.725	54.57	3.65	62	2.118	42.44	3.57
63	0.872	42.88	3.60	67	0.685	57.60	3.64	70	4.463	46.76	3.63
71	4.769	45.04	3.60	85	0.592	50.15	3.65	87	1.089	26.08	2.85
89	0.964	22.73	3.11	90	0.804	10.15	2.81	91	2.115	35.25	3.30
92	3.523	47.52	3.63	93	1.474	47.13	3.64	94	2.033	25.20	3.13
95	2.543	51.58	3.66	139	0.406	7.30	2.95	140	0.235	60.76	3.49
999	0.398A	24.12	1.38								

EQUATIONS FOR ESTIMATING THUMB-TIP REACH, EXTENDED

NO. 34

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.274	68.01	4.42	7	0.497	3.27	3.86	8	0.496	3.11	3.85
9	0.546	7.83	3.84	10	0.548	11.57	3.84	11	0.565	9.25	3.85
12	0.559	17.69	3.91	13	0.665	17.15	3.85	14	0.655	22.82	3.93
15	0.713	24.89	3.81	16	0.677	28.18	3.98	17	0.709	32.29	3.99
18	1.130	36.39	4.07	19	0.737	28.92	3.87	22	0.588	34.28	4.49
23	0.645	28.62	4.43	24	0.613	38.65	4.50	25	0.712	42.54	4.50
28	1.269	31.74	4.27	29	0.864	42.61	4.26	30	1.075	22.10	3.97
31	1.755	29.42	3.96	32	2.054	35.80	3.99	33	0.747	28.46	3.92
35	0.394	5.34	3.52	50	0.302	37.20	4.42	51	0.331	34.16	4.37
52	0.257	58.13	4.62	53	0.693	58.12	4.61	59	0.934	58.64	4.59
62	2.507	46.32	4.54	63	1.119	43.72	4.52	70	5.809	48.20	4.54
71	5.803	48.43	4.55	78	1.334	67.24	4.58	87	1.281	27.31	3.77
89	1.112	24.54	4.08	90	0.941	8.94	3.75	91	2.316	41.26	4.34
94	2.307	28.31	4.13	139	0.487	3.67	3.84	140	0.288	67.45	4.42
999	0.489A	26.78	1.74								

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI

SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING OVERHEAD REACH

NO. 35

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.552	167.36	7.48	7	1.214	2.43	4.48	8	1.213	1.81	4.46
9	1.327	14.51	4.43	10	1.340	22.53	4.40	11	1.394	15.22	4.31
12	1.368	37.37	4.73	13	1.588	39.98	4.71	14	1.598	50.37	4.83
15	1.665	61.58	4.77	16	1.616	66.37	5.29	17	1.665	78.18	5.45
18	2.642	88.31	5.82	19	1.726	70.63	4.99	20	2.098	175.76	8.07
22	1.563	67.50	6.89	23	1.662	56.96	6.75	24	1.563	84.03	7.10
25	1.830	93.09	7.04	28	3.085	72.59	6.35	29	1.931	107.10	6.70
30	2.402	61.28	5.76	31	3.807	81.19	5.91	32	4.303	98.59	6.21
33	1.404	95.15	6.60	34	1.214	97.45	6.18	37	0.542	144.80	8.09
44	0.457	155.69	8.10	46	1.287	152.51	8.05	50	0.662	97.00	7.25
51	0.762	84.88	6.95	52	0.487	150.53	8.03	53	1.296	151.15	8.03
59	2.010	145.00	7.77	62	5.064	123.46	7.76	63	2.399	113.24	7.60
70	12.174	124.56	7.70	71	12.541	122.71	7.68	78	2.741	165.14	7.84
79	3.035	154.73	7.98	85	1.808	125.98	7.56	86	1.606	145.30	7.96
87	2.657	81.98	5.66	89	2.374	72.65	6.37	90	1.973	42.21	5.51
91	5.054	106.32	7.05	92	7.773	140.51	8.00	93	3.185	140.88	8.06
94	5.010	78.64	6.43	95	6.380	142.65	7.95	98	1.730	104.31	8.08
104	2.471	145.09	8.08	139	1.171	6.47	4.56	140	0.587	165.83	7.45
999	0.985A	65.90	2.95								

EQUATIONS FOR ESTIMATING NECK CIRCUMFERENCE

NO. 36

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.130	26.24	1.36	4	1.260	32.13	1.56	7	0.890A	19.32	1.59
8	0.884A	19.36	1.59	23	0.172	19.03	1.59	25	0.210	21.57	1.58
30	0.223	20.94	1.57	37	0.171	16.58	1.43	38	0.179	18.67	1.42
39	0.148	20.47	1.45	40	0.171	21.04	1.46	41	0.165	22.66	1.41
42	0.103	24.93	1.50	43	0.149	19.80	1.45	44	0.132	21.17	1.48
45	0.166	24.54	1.52	46	0.323	22.02	1.51	47	0.295	23.68	1.54
48	0.286	23.96	1.54	49	0.446	24.35	1.58	50	0.118	15.53	1.47
51	0.120	15.74	1.48	52	0.139	19.85	1.45	53	0.375	19.84	1.44
54	0.357	23.95	1.45	55	0.339	25.07	1.49	56	0.340	24.64	1.48
57	0.341	25.00	1.46	58	0.346	24.57	1.46	59	0.357	24.12	1.55
60	0.635	18.84	1.43	61	0.545	20.14	1.46	62	1.046	18.10	1.50
63	0.397	19.52	1.55	64	0.383	17.71	1.42	65	0.405	22.41	1.49
66	0.368	26.93	1.58	67	0.440	23.13	1.44	68	0.299	23.29	1.54
69	0.229	25.00	1.54	70	1.833	22.51	1.58	71	1.898	22.17	1.58
74	0.394	24.43	1.49	75	0.456	25.99	1.49	76	0.351	26.42	1.50
77	0.417	24.93	1.50	78	0.516	27.33	1.55	80	0.295	26.23	1.58
81	0.193	21.16	1.50	82	0.253	24.88	1.56	83	0.201	23.82	1.54
84	0.214	24.73	1.54	89	0.244	20.74	1.57	90	0.193	18.39	1.55
92	1.571	21.88	1.56	93	0.649	21.86	1.57	94	0.482	22.15	1.59
98	0.346	14.77	1.58	115	1.232	17.87	1.56	116	0.919	21.90	1.59
139	0.900A	18.93	1.58	140	0.133	26.18	1.38	999	0.232A	10.33	0.54

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI

SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING SHOULDER CIRCUMFERENCE								NO. 37			
X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.570	67.50	2.83	3	5.004	90.89	4.36	4	6.164	92.49	4.18
5	3.955	92.61	4.33	7	0.285	54.21	4.84	8	0.285	54.03	4.84
9	0.311	57.12	4.84	10	0.329	57.03	4.81	11	0.346	54.74	4.80
25	0.645	63.00	4.84	29	0.728	65.68	4.73	30	0.941	46.37	4.50
31	1.067	67.33	4.84	35	0.195	61.56	4.86	36	1.610	46.08	4.37
38	0.910	23.75	2.45	39	0.730	34.91	3.01	40	0.844	37.68	3.09
41	0.727	51.56	3.25	42	0.496	57.93	3.66	43	0.684	36.37	3.43
44	0.612	42.11	3.58	45	0.833	54.20	3.75	46	1.362	50.97	4.11
47	1.296	56.16	4.23	48	1.257	57.38	4.26	49	1.654	65.54	4.67
50	0.453	30.46	4.09	51	0.442	34.08	4.24	52	0.622	38.21	3.48
53	1.663	38.72	3.45	54	1.759	52.15	3.08	55	1.698	56.92	3.35
56	1.696	54.97	3.31	57	1.631	58.56	3.31	58	1.639	56.92	3.34
59	1.469	60.78	4.42	60	2.792	34.87	3.41	61	2.442	39.42	3.55
62	4.089	39.23	4.24	63	1.823	35.07	4.18	64	1.978	17.59	2.34
65	2.063	42.66	3.29	66	1.858	65.98	4.26	67	1.909	54.35	3.57
68	1.404	51.32	4.09	69	1.105	58.21	4.05	70	7.618	53.69	4.58
71	7.783	52.93	4.57	72	4.224	66.13	4.77	73	4.642	62.63	4.72
74	1.867	56.27	3.66	75	2.061	65.35	3.81	76	1.660	65.73	3.75
77	1.925	59.69	3.81	78	2.328	71.46	4.23	80	1.399	64.75	4.41
81	0.802	48.11	4.06	82	1.394	51.54	3.85	83	0.896	56.16	4.21
84	1.092	54.39	3.91	86	1.018	66.23	4.74	88	1.854	62.65	4.48
89	1.138	39.74	4.35	90	0.758	40.09	4.48	92	4.681	65.05	4.80
93	2.403	56.39	4.65	94	1.561	62.84	4.83	98	1.046	43.02	4.85
115	3.717	52.50	4.79	117	2.988	69.98	4.86	125	0.343	90.16	4.75
139	0.303	50.54	4.79	140	0.582	67.30	2.98	999	0.102	26.55	1.11

EQUATIONS FOR ESTIMATING CHEST CIRCUMFERENCE AT SCYE								NO. 38			
X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.530	53.65	2.96	3	4.587	75.52	4.29	4	6.236	76.23	3.94
5	3.917	76.52	4.13	29	0.628	54.29	4.65	30	0.827	36.76	4.46
36	1.571	31.23	4.21	37	0.849	-1.00	2.37	39	0.773	14.89	2.28
40	0.837	22.04	2.84	41	0.714	36.27	3.05	42	0.487	42.54	3.47
43	0.643	24.04	3.43	44	0.566	30.32	3.61	45	0.754	42.42	3.81
46	1.246	39.02	4.08	47	1.141	45.29	4.25	48	1.096	46.73	4.29
49	1.427	54.16	4.61	50	0.459	13.37	3.83	51	0.444	17.62	4.02
52	0.589	25.35	3.43	53	1.641	23.37	3.24	54	1.702	37.55	2.96
55	1.615	42.89	3.31	56	1.580	41.91	3.35	57	1.546	44.58	3.28
58	1.567	42.66	3.27	59	1.401	46.45	4.29	60	2.562	24.10	3.49
61	2.249	28.08	3.60	62	3.713	28.69	4.20	63	1.435	32.81	4.37
64	1.776	9.88	2.78	65	1.985	28.68	3.19	66	1.864	49.71	4.04
67	1.834	40.00	3.47	68	1.276	39.63	4.08	69	1.030	44.91	3.99
70	6.803	42.52	4.50	71	6.925	42.00	4.50	72	3.899	52.60	4.64
73	4.247	49.68	4.60	74	1.946	38.24	3.24	75	2.046	49.44	3.60
76	1.630	50.20	3.56	77	1.801	46.15	3.77	78	2.002	59.35	4.28
80	1.444	47.43	4.15	81	0.797	32.27	3.86	82	1.263	39.97	3.89
83	0.853	42.12	4.10	84	1.029	40.88	3.84	86	0.931	52.99	4.62
88	1.737	48.87	4.37	89	0.947	33.76	4.41	90	0.626	34.43	4.51
92	4.168	52.76	4.69	93	2.305	42.03	4.50	115	3.448	39.81	4.65
125	0.297	75.37	4.67	140	0.542	53.41	3.08	999	0.946A	21.13	1.16

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI

SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING BUST CIRCUMFERENCE								NO. 39			
X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.606	54.74	3.43	3	5.500	79.26	4.85	4	7.384	80.23	4.44
5	4.883	80.09	4.56	29	0.713	55.71	5.35	30	0.922	36.78	5.16
36	1.717	31.78	4.92	37	0.899	-0.55	3.34	38	1.021	3.71	2.62
40	0.975	17.26	3.16	41	0.829	34.01	3.45	42	0.577	40.31	3.86
43	0.737	20.72	3.95	44	0.639	28.85	4.21	45	0.867	41.63	4.37
46	1.403	38.79	4.73	47	1.242	47.32	4.97	48	1.193	48.89	5.01
49	1.505	57.99	5.36	50	0.517	9.89	4.46	51	0.496	15.29	4.68
52	0.673	22.43	3.96	53	1.780	23.69	3.99	54	1.892	37.81	3.59
55	1.814	43.27	3.90	56	1.766	42.41	3.97	57	1.723	45.51	3.91
58	1.740	43.55	3.92	59	1.449	50.64	5.08	60	2.730	25.64	4.28
61	2.384	30.19	4.40	62	3.888	31.55	4.99	63	1.288	43.56	5.30
64	1.868	11.51	3.72	65	2.188	28.47	3.87	66	2.652	40.58	3.96
67	2.081	39.52	4.04	68	1.417	40.18	4.76	69	1.196	44.05	4.56
70	7.201	45.56	5.26	71	7.098	46.42	5.29	72	4.266	55.10	5.37
73	4.647	51.90	5.33	74	2.596	28.35	2.71	75	2.465	47.79	3.94
76	1.973	48.51	3.88	77	2.103	45.24	4.28	78	2.228	62.02	4.97
80	1.937	40.34	4.37	81	1.017	23.40	4.07	82	1.342	42.68	4.67
83	0.865	47.00	4.94	84	1.167	40.54	4.45	86	1.155	50.94	5.23
88	1.772	53.64	5.17	89	0.945	39.34	5.23	90	0.623	40.15	5.31
93	2.307	47.47	5.30	140	0.619	54.51	3.57	999	0.108	21.58	1.35

EQUATIONS FOR ESTIMATING CHEST CIRCUMFERENCE BELOW BUST

NO. 40

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.511	44.82	2.98	3	4.362	66.02	4.25	4	5.743	66.94	3.99
5	3.737	66.96	4.10	10	0.291	35.95	4.60	29	0.623	44.60	4.55
30	0.808	27.92	4.38	36	1.441	25.69	4.23	37	0.757	-1.69	2.92
38	0.805	6.51	2.78	39	0.710	10.62	2.70	41	0.704	27.01	2.97
42	0.480	33.22	3.39	43	0.615	16.74	3.45	44	0.535	23.35	3.65
45	0.719	34.44	3.80	46	1.199	30.80	4.04	47	1.126	35.88	4.16
48	1.097	36.77	4.17	49	1.450	43.75	4.49	50	0.426	8.54	3.89
51	0.409	12.95	4.06	52	0.564	17.93	3.45	53	1.483	19.31	3.49
54	1.474	33.88	3.44	55	1.481	36.40	3.49	56	1.460	35.21	3.50
57	1.417	37.96	3.47	58	1.417	36.72	3.51	59	1.235	41.01	4.34
60	2.343	19.32	3.64	61	2.038	23.43	3.75	62	3.440	22.85	4.21
63	1.178	32.10	4.47	64	1.560	9.00	3.27	65	1.907	20.94	3.22
66	1.754	41.82	4.04	67	1.831	30.15	3.34	68	1.189	32.75	4.09
69	0.978	36.98	3.98	70	6.470	34.64	4.44	71	6.493	34.71	4.46
72	3.892	42.74	4.54	73	4.311	39.24	4.49	74	1.897	29.48	3.20
75	2.052	39.41	3.45	76	1.630	40.27	3.43	77	1.720	37.94	3.77
78	1.935	50.26	4.22	80	1.246	42.56	4.26	81	0.689	29.39	4.05
82	1.094	35.97	4.07	83	0.747	37.43	4.20	84	1.039	30.54	3.69
86	0.959	42.12	4.49	88	1.475	44.29	4.44	89	0.848	29.11	4.42
90	0.575	28.57	4.48	93	2.034	37.07	4.50	115	3.308	31.69	4.58
117	2.814	45.66	4.60	139	0.251	33.01	4.61	140	0.523	44.57	3.10
999	0.913A	17.64	1.17								

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI

SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING WAIST CIRCUMFERENCE

NO. 41

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.600	32.56	3.10	3	5.453	56.82	4.60	4	7.300	57.82	4.18
5	5.005	57.33	4.20	29	0.772	30.37	5.05	30	0.985	10.64	4.82
36	1.757	7.91	4.62	37	0.826	-15.74	3.46	38	0.870	-6.09	3.37
39	0.764	-1.35	3.32	40	0.891	0.98	3.34	42	0.610	14.96	3.21
43	0.784	-6.21	3.29	44	0.658	4.51	3.79	45	0.887	18.00	4.00
46	1.457	14.31	4.37	47	1.286	23.29	4.65	48	1.245	24.58	4.68
49	1.600	33.47	5.07	50	0.478	-6.61	4.38	51	0.461	-1.98	4.57
52	0.698	-2.59	3.46	53	1.708	3.84	3.84	54	1.769	18.66	3.59
55	1.723	23.07	3.79	56	1.689	21.95	3.83	57	1.669	24.37	3.72
58	1.665	23.02	3.78	59	1.414	29.06	4.86	60	2.714	3.49	4.00
61	2.355	8.39	4.15	62	3.855	9.52	4.74	63	1.275	21.50	5.06
64	1.749	-6.03	3.69	65	1.954	12.50	4.00	66	2.014	29.88	4.50
67	2.508	6.69	2.54	68	1.484	15.31	4.38	69	1.214	20.84	4.24
70	6.491	27.39	5.10	71	6.795	25.75	5.08	72	4.144	33.57	5.15
73	4.569	30.01	5.10	74	2.090	17.79	3.70	75	2.769	20.09	2.93
76	2.103	23.27	3.18	77	2.163	21.45	3.87	78	2.234	39.42	4.71
80	1.558	27.48	4.62	81	0.860	11.11	4.32	82	1.187	25.59	4.65
83	0.807	27.35	4.79	84	1.067	22.23	4.40	86	1.085	30.77	5.05
88	1.478	37.10	5.10	89	0.872	20.71	5.06	90	0.609	18.74	5.09
93	2.224	26.46	5.09	94	1.553	29.82	5.19	115	3.863	17.41	5.12
140	0.610	32.50	3.28	999	0.107	12.84	1.22				

EQUATIONS FOR ESTIMATING ABDOMINAL EXTENSION CIRCUMFERENCE

NO. 42

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.768	41.30	4.43	3	7.867	70.67	5.89	4	9.430	73.52	5.67
5	6.318	73.18	5.78	6	4.755	78.06	6.85	29	0.921	41.70	6.82
30	1.175	18.17	6.59	36	1.939	20.20	6.51	37	0.996	-14.37	5.18
38	1.048	-2.65	5.09	39	0.940	1.30	4.92	40	1.075	5.74	5.06
41	1.077	13.27	4.27	43	1.079	-15.39	4.08	44	0.924	-2.39	4.70
45	1.235	17.13	5.08	46	1.956	14.64	5.78	47	1.674	28.49	6.23
48	1.648	29.23	6.23	49	2.013	43.20	6.80	50	0.633	-12.11	5.84
51	0.604	-5.00	6.11	52	0.958	-10.15	4.35	53	2.110	7.37	5.45
54	2.304	22.43	4.89	55	2.311	26.46	4.99	56	2.240	25.63	5.11
57	2.242	28.11	4.88	58	2.212	26.94	5.02	59	1.576	43.13	6.72
60	3.265	8.99	5.72	61	2.807	15.54	5.90	62	4.227	22.40	6.63
64	2.137	-3.84	5.34	65	2.384	18.90	5.67	66	2.424	40.72	6.24
67	2.631	22.16	5.20	68	2.186	9.20	5.43	69	1.832	15.68	5.05
70	7.563	39.26	6.90	71	7.766	38.26	6.89	72	5.445	41.45	6.85
73	6.006	36.76	6.79	74	2.628	23.51	5.22	75	3.258	30.21	4.83
76	2.823	26.67	4.15	77	2.872	24.89	5.16	78	2.843	50.29	6.35
80	2.023	34.07	6.19	81	1.077	15.40	5.93	82	1.431	35.48	6.39
83	1.027	34.92	6.45	84	1.302	30.77	6.10	88	1.804	48.90	6.86
89	1.033	30.57	6.84	115	4.613	26.19	6.90	140	0.783	41.10	4.62
999	0.137	16.28	1.74								

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI
SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL											
X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.662	55.42	2.53	3	6.303	81.64	4.41	4	6.675	85.05	4.55
5	4.606	84.55	4.56	6	4.075	87.14	5.17	7	0.330	40.14	5.22
8	0.327	40.42	5.23	9	0.357	43.94	5.23	10	0.377	43.92	5.19
11	0.382	43.21	5.21	13	0.394	54.13	5.30	23	0.608	41.59	5.24
24	0.598	49.56	5.28	25	0.802	47.12	5.16	26	1.065	68.75	5.27
29	0.970	47.36	4.90	30	1.224	23.34	4.56	36	1.659	37.65	4.85
37	0.809	12.40	3.73	38	0.814	25.06	3.86	39	0.707	30.20	3.87
40	0.810	33.43	3.96	41	0.816	38.80	3.35	42	0.635	39.25	3.13
44	0.872	10.56	1.92	45	1.146	30.06	2.80	46	1.858	26.19	3.67
47	1.671	36.58	4.14	48	1.642	37.43	4.14	49	2.131	48.70	4.86
50	0.566	6.23	4.01	51	0.545	11.85	4.29	52	0.856	8.04	2.01
53	1.681	31.27	4.05	54	1.800	44.25	3.67	55	1.860	46.00	3.61
56	1.823	44.79	3.66	57	1.788	47.75	3.56	58	1.789	46.16	3.61
59	1.459	54.28	4.94	60	2.876	26.12	3.94	61	2.499	31.22	4.10
62	3.970	34.24	4.82	63	1.301	47.00	5.16	64	1.751	20.32	3.85
65	1.850	41.85	4.32	66	1.841	59.52	4.81	67	2.082	43.40	3.87
68	2.107	19.96	3.07	69	1.647	30.74	3.00	70	7.557	47.28	5.08
71	7.724	46.51	5.08	72	4.937	53.57	5.12	73	5.448	49.29	5.05
74	1.956	47.39	4.11	75	2.321	54.15	4.02	76	2.047	50.87	3.52
77	2.560	39.48	3.20	78	2.772	59.16	4.38	80	1.489	55.67	4.83
81	0.820	40.15	4.57	82	1.104	54.93	4.89	83	0.812	53.53	4.91
84	1.015	50.86	4.65	86	1.006	59.86	5.23	88	1.450	64.11	5.23
89	0.972	41.81	5.07	90	0.680	39.52	5.11	93	2.177	53.76	5.23
94	1.726	52.09	5.24	115	3.682	46.18	5.27	139	0.337	38.16	5.18
140	0.673	55.35	2.79	999	0.118	21.85	1.00				
EQUATIONS FOR ESTIMATING HIP CIRCUMFERENCE-NINE INCHES BELOW WAIST LEVEL											
X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.708	54.40	2.80	3	6.762	82.40	4.76	4	6.563	86.83	5.11
5	4.660	86.08	5.05	6	4.621	87.90	5.52	7	0.361	36.75	5.61
8	0.360	36.68	5.61	9	0.398	39.87	5.60	10	0.411	41.08	5.58
11	0.424	39.30	5.58	13	0.450	50.15	5.67	22	0.657	39.90	5.62
23	0.726	33.13	5.56	24	0.714	42.65	5.61	25	0.919	41.97	5.50
26	1.316	64.52	5.57	29	1.041	45.61	5.29	30	1.332	18.78	4.89
35	0.226	50.25	5.70	36	1.697	38.00	5.30	37	0.840	10.93	4.19
38	0.832	25.18	4.38	39	0.712	31.39	4.44	40	0.817	34.55	4.51
41	0.794	41.91	4.16	42	0.631	41.23	3.88	43	1.011	0.61	2.07
45	1.274	24.60	2.70	46	2.081	19.73	3.74	47	1.868	31.49	4.31
48	1.832	32.56	4.33	49	2.414	44.37	5.15	50	0.628	-1.71	4.19
51	0.604	4.63	4.53	52	0.929	2.37	2.05	53	1.739	30.76	4.51
54	1.874	43.85	4.12	55	1.963	45.00	3.99	56	1.919	43.85	4.06
57	1.893	46.69	3.93	58	1.890	45.12	3.99	59	1.530	54.00	5.36
60	3.017	24.44	4.35	61	2.631	29.56	4.50	62	4.169	32.89	5.23
63	1.454	43.16	5.52	64	1.847	17.93	4.24	65	1.860	43.20	4.85
66	1.838	61.21	5.30	67	2.076	45.18	4.48	68	2.424	10.51	2.71
69	1.872	23.78	2.74	70	8.107	45.55	5.48	71	8.269	44.82	5.48
72	5.430	51.20	5.50	73	5.957	46.78	5.42	74	1.957	49.00	4.68
75	2.284	56.41	4.65	76	2.041	52.63	4.18	77	2.718	37.78	3.54
78	3.055	57.28	4.64	80	1.588	54.79	5.22	81	0.856	39.44	4.99
82	1.104	56.57	5.38	83	0.863	52.65	5.31	84	1.017	52.41	5.15
86	1.022	60.96	5.67	88	1.487	64.99	5.67	89	1.060	38.76	5.45
90	0.730	37.18	5.51	93	2.266	53.76	5.65	94	1.870	50.26	5.64
115	3.860	45.52	5.70	139	0.375	33.55	5.55	140	0.721	54.25	3.06
999	0.126	21.47	1.10								

TABLE XXVI

SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING UPPER THIGH CIRCUMFERENCE

NO. 45

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.471	28.28	2.29	3	4.885	46.18	3.28	4	4.549	49.63	3.60
5	3.405	48.76	3.48	6	3.450	49.97	3.82	29	0.647	24.61	3.82
30	0.822	8.27	3.62	36	1.048	20.11	3.84	37	0.562	-0.96	3.08
38	0.545	9.56	3.24	39	0.475	12.86	3.24	40	0.541	15.27	3.30
41	0.526	20.13	3.08	42	0.415	19.93	2.95	43	0.654	-5.76	2.11
44	0.627	-4.26	1.89	46	1.453	2.73	2.64	47	1.331	10.03	2.98
48	1.298	11.04	3.00	49	1.630	21.11	3.66	50	0.380	-3.21	3.31
51	0.351	2.80	3.54	52	0.590	-3.52	2.21	53	1.128	13.63	3.34
54	1.302	19.75	2.92	55	1.385	20.00	2.78	56	1.355	19.17	2.82
57	1.327	21.42	2.76	58	1.324	20.34	2.80	59	0.983	28.96	3.84
60	2.066	6.97	3.11	61	1.810	10.27	3.20	62	2.574	16.96	3.80
63	0.823	25.98	4.00	64	1.229	4.01	3.12	65	1.203	21.80	3.54
66	1.265	32.03	3.74	67	1.356	22.76	3.30	68	1.514	2.53	2.56
69	1.245	7.93	2.27	70	4.903	25.40	3.94	71	5.044	24.70	3.94
72	3.609	26.18	3.89	73	3.947	23.35	3.85	74	1.315	24.38	3.37
75	1.502	29.92	3.39	76	1.372	26.81	3.06	77	1.875	15.81	2.56
78	2.254	27.44	3.14	80	0.995	30.11	3.78	81	0.534	20.65	3.66
82	0.700	30.94	3.86	83	0.537	28.95	3.83	84	0.651	28.04	3.72
89	0.605	23.22	3.96	90	0.409	22.93	3.99	140	0.476	28.39	2.47
999	0.842A	11.12	0.90								

EQUATIONS FOR ESTIMATING KNEE CIRCUMFERENCE

NO. 46

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.247	22.04	1.30	3	2.348	31.83	1.87	4	1.917	33.84	2.07
5	1.434	33.47	2.03	6	1.992	33.12	2.02	7	0.146	12.63	2.09
8	0.145	12.70	2.09	9	0.160	14.03	2.09	10	0.163	14.81	2.08
11	0.172	13.60	2.07	12	0.143	19.38	2.14	13	0.178	18.45	2.12
15	0.169	22.33	2.15	16	0.180	21.50	2.14	22	0.237	16.33	2.13
23	0.261	13.96	2.11	24	0.254	17.58	2.13	25	0.318	17.86	2.10
29	0.360	19.13	2.04	30	0.478	8.85	1.88	35	0.902A	18.33	2.13
36	0.590	16.39	2.04	37	0.265	9.69	1.81	38	0.260	14.40	1.86
39	0.221	16.47	1.88	40	0.260	16.98	1.88	41	0.249	19.57	1.81
42	0.189	20.11	1.80	43	0.306	7.65	1.49	44	0.295	8.20	1.41
45	0.419	13.06	1.42	47	0.799	9.02	1.38	48	0.773	9.84	1.42
49	1.157	11.91	1.71	50	0.209	4.03	1.75	51	0.197	6.74	1.86
52	0.287	7.60	1.44	53	0.565	15.34	1.86	54	0.601	19.81	1.78
55	0.679	18.91	1.65	56	0.672	18.30	1.65	57	0.651	19.60	1.64
58	0.660	18.79	1.63	59	0.616	19.68	1.98	60	1.184	8.51	1.57
61	1.032	10.53	1.64	62	1.834	8.86	1.85	63	0.494	18.59	2.12
64	0.585	11.81	1.82	65	0.575	20.20	1.98	66	0.591	25.35	2.07
67	0.664	20.28	1.87	68	0.714	11.33	1.62	69	0.574	14.38	1.56
70	3.490	14.90	2.00	71	3.620	14.22	1.99	72	2.630	14.96	1.93
73	2.828	13.28	1.90	74	0.614	21.78	1.93	75	0.730	23.88	1.91
76	0.650	22.72	1.80	77	0.872	17.86	1.64	78	1.163	21.84	1.74
80	0.484	23.96	2.07	81	0.268	18.82	2.01	82	0.341	24.35	2.11
83	0.278	22.57	2.07	84	0.320	22.82	2.04	86	0.393	23.11	2.13
89	0.374	16.36	2.08	90	0.271	14.73	2.08	92	1.889	22.03	2.14
93	1.032	17.40	2.06	94	0.811	16.78	2.07	95	1.616	21.97	2.12
98	0.449	11.67	2.14	115	1.509	16.85	2.14	139	0.149	11.78	2.07
140	0.251	22.02	1.37	999	0.441A	8.68	0.51				

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI

SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING CALF CIRCUMFERENCE, RIGHT

NO. 47

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.225	21.15	1.48	3	2.013	30.31	1.96	4	1.588	32.10	2.11
5	1.201	31.77	2.08	6	1.890	31.13	2.02	30	0.381	12.26	2.01
36	0.529	16.29	2.06	37	0.248	9.24	1.85	38	0.234	14.43	1.92
39	0.193	16.83	1.96	40	0.240	16.31	1.92	41	0.216	19.63	1.91
42	0.159	20.53	1.92	43	0.270	8.86	1.66	44	0.260	9.37	1.61
45	0.377	13.23	1.58	46	0.786	5.61	1.37	48	0.947	1.73	0.61
49	1.300	6.73	1.50	50	0.180	6.35	1.88	51	0.167	9.08	1.96
52	0.247	9.44	1.67	53	0.498	15.67	1.94	54	0.544	19.22	1.85
55	0.630	18.01	1.72	56	0.624	17.42	1.72	57	0.605	18.62	1.71
58	0.610	17.96	1.71	59	0.512	20.33	2.05	60	1.120	7.85	1.63
61	0.986	9.52	1.67	62	1.681	8.99	1.90	63	0.477	17.05	2.11
64	0.537	11.66	1.87	65	0.531	19.28	2.00	66	0.525	24.41	2.09
67	0.584	20.05	1.94	68	0.637	11.87	1.75	69	0.502	14.97	1.73
70	3.103	15.11	2.03	71	3.185	14.71	2.03	72	2.110	17.02	2.04
73	2.312	15.32	2.01	74	0.520	21.85	2.01	75	0.599	23.95	2.01
76	0.550	22.65	1.92	77	0.783	17.58	1.76	78	1.075	20.77	1.80
80	0.400	23.95	2.12	81	0.228	19.27	2.06	82	0.314	23.14	2.11
83	0.235	22.54	2.11	84	0.306	21.25	2.04	89	0.337	16.18	2.10
90	0.228	16.00	2.12	92	1.852	20.15	2.13	93	0.970	16.38	2.07
94	0.710	17.05	2.10	95	1.707	19.01	2.08	139	0.117	14.88	2.13
140	0.225	21.34	1.56	999	0.401A	8.34	0.58				

EQUATIONS FOR ESTIMATING CALF CIRCUMFERENCE, LEFT

NO. 48

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.227	21.13	1.52	3	2.016	30.39	2.00	4	1.567	32.22	2.15
5	1.172	31.92	2.13	6	1.898	31.20	2.06	30	0.386	12.06	2.04
36	0.529	16.38	2.10	37	0.248	9.33	1.89	38	0.231	14.77	1.97
39	0.191	17.09	2.00	40	0.241	16.32	1.96	41	0.216	19.72	1.95
42	0.162	20.36	1.95	43	0.274	8.58	1.69	44	0.263	9.18	1.64
45	0.380	13.15	1.62	46	0.784	5.77	1.43	47	0.977	0.87	0.62
49	1.302	6.78	1.55	50	0.181	6.28	1.91	51	0.167	9.17	2.00
52	0.250	9.23	1.70	53	0.497	15.79	1.98	54	0.541	19.39	1.90
55	0.635	17.97	1.76	56	0.630	17.35	1.75	57	0.609	18.60	1.75
58	0.616	17.88	1.75	59	0.523	20.12	2.08	60	1.121	7.91	1.68
61	0.992	9.46	1.71	62	1.677	9.14	1.94	63	0.486	16.81	2.14
64	0.534	11.87	1.92	65	0.534	19.28	2.04	66	0.528	24.45	2.13
67	0.579	20.26	1.99	68	0.642	11.78	1.78	69	0.510	14.76	1.75
70	3.076	15.36	2.08	71	3.185	14.80	2.07	72	2.045	17.63	2.09
73	2.271	15.75	2.05	74	0.520	21.94	2.05	75	0.600	24.02	2.05
76	0.552	22.70	1.96	77	0.789	17.54	1.79	78	1.069	20.94	1.85
80	0.402	23.98	2.15	81	0.231	19.17	2.09	82	0.315	23.19	2.15
83	0.236	22.58	2.15	84	0.305	21.38	2.08	89	0.339	16.16	2.13
90	0.231	15.85	2.15	92	1.883	20.01	2.16	93	0.980	16.28	2.10
94	0.717	16.97	2.13	95	1.707	19.09	2.12	139	0.120	14.48	2.16
140	0.227	21.32	1.59	999	0.405A	8.32	0.60				

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI

SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING ANKLE CIRCUMFERENCE

NO. 49

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.101	15.25	1.04	3	0.757	19.64	1.22	6	0.795	19.82	1.22
7	0.760A	8.77	1.21	8	0.757A	8.77	1.21	9	0.813A	9.77	1.21
10	0.808A	10.43	1.21	11	0.862A	9.71	1.21	22	0.138	9.45	1.21
23	0.153	7.99	1.19	24	0.145	10.40	1.21	25	0.176	10.88	1.20
30	0.188	10.29	1.19	36	0.263	12.21	1.21	37	0.104	10.64	1.17
38	0.963A	12.97	1.20	39	0.769A	14.19	1.21	40	0.102	13.50	1.19
41	0.886A	15.13	1.19	42	0.631A	15.68	1.20	43	0.113	10.50	1.12
44	0.111	10.51	1.10	45	0.152	12.65	1.12	46	0.375	7.47	0.97
47	0.428	6.47	0.86	48	0.416	6.84	0.87	50	0.895A	7.26	1.13
51	0.892A	7.70	1.15	52	0.104	10.69	1.12	53	0.222	12.85	1.18
54	0.208	15.38	1.19	55	0.251	14.66	1.15	56	0.252	14.33	1.15
57	0.236	15.03	1.16	58	0.244	14.61	1.15	59	0.286	13.37	1.18
60	0.544	8.31	1.05	61	0.476	9.20	1.07	62	1.084	4.87	1.03
63	0.264	11.62	1.21	64	0.229	11.50	1.17	65	0.226	14.76	1.21
67	0.251	15.03	1.19	68	0.273	11.54	1.14	69	0.197	13.56	1.16
70	1.914	9.35	1.15	71	1.971	9.06	1.14	72	1.171	11.58	1.18
73	1.255	10.87	1.17	76	0.203	16.84	1.22	77	0.314	14.44	1.16
78	0.483	15.08	1.14	89	0.177	11.65	1.22	90	0.130	10.74	1.21
92	1.237	11.74	1.20	93	0.636	9.43	1.15	94	0.496	9.15	1.16
95	1.067	11.62	1.17	139	0.767A	8.46	1.20	140	0.103	15.22	1.06
999	0.181A	6.00	0.41								

EQUATIONS FOR ESTIMATING VERTICAL TRUNK CIRCUMFERENCE

NO. 50

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.719	112.92	4.24	3	5.189	144.55	6.26	4	5.308	147.60	6.37
5	3.496	147.53	6.42	7	0.708	39.66	5.40	8	0.706	39.53	5.40
9	0.762	48.36	5.43	10	0.800	48.94	5.29	11	0.799	48.96	5.41
12	0.714	69.95	5.77	13	0.765	77.71	5.94	14	0.661	92.85	6.22
15	0.703	96.31	6.18	16	0.658	100.33	6.30	17	0.563	113.50	6.50
18	1.052	110.26	6.40	19	0.622	108.08	6.40	22	1.432	33.74	5.05
23	1.531	23.37	4.86	24	1.508	43.28	5.09	25	1.941	41.85	4.53
26	1.941	109.07	5.99	27	1.197	127.25	6.21	29	1.099	101.99	6.16
30	1.455	70.87	5.70	31	1.726	100.91	6.27	32	1.749	113.52	6.44
33	0.689	103.35	6.33	34	0.598	104.29	6.22	35	0.426	69.56	5.82
36	1.985	87.43	6.01	37	0.810	73.09	5.47	38	0.879	80.37	5.30
39	0.751	87.04	5.37	40	0.849	91.32	5.49	41	0.752	103.89	5.50
42	0.564	106.12	5.51	43	0.856	74.27	4.93	44	0.819	76.40	4.79
45	1.007	98.56	5.40	46	1.918	84.80	5.32	47	1.680	97.07	5.74
48	1.637	98.39	5.77	49	2.543	100.81	6.04	51	0.974	8.26	2.53
52	0.832	71.23	4.64	53	1.963	81.60	5.20	54	1.741	106.66	5.53
55	1.733	110.04	5.60	56	1.689	109.17	5.65	57	1.645	112.21	5.61
58	1.681	109.82	5.58	59	1.853	104.44	6.02	60	2.947	85.24	5.54
61	2.573	90.17	5.65	62	5.137	77.56	5.82	63	1.749	91.74	6.24
64	1.756	80.90	5.54	65	1.965	99.42	5.75	66	1.889	119.42	6.22
67	2.009	105.95	5.66	68	1.952	86.17	5.34	69	1.508	96.84	5.35

.....CONTINUED ON THE NEXT PAGE

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI
SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING VERTICAL TRUNK CIRCUMFERENCE.....CONTINUED NO. 50

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
70	10.769	88.37	6.02	71	11.047	87.03	6.01	72	5.843	107.00	6.34
73	6.338	102.84	6.28	74	1.982	107.57	5.70	75	2.224	116.59	5.78
76	1.868	115.40	5.61	77	2.404	103.57	5.35	78	2.827	119.27	5.89
80	1.751	109.78	6.02	81	0.961	91.75	5.74	82	1.058	117.34	6.37
83	0.888	110.57	6.22	84	1.004	112.11	6.15	85	1.453	95.56	6.07
86	1.955	88.78	5.71	88	1.624	121.35	6.51	89	1.354	82.23	6.05
90	0.984	76.12	6.04	91	2.376	110.75	6.48	92	5.885	109.97	6.48
93	3.148	96.76	6.25	94	2.786	87.37	6.11	95	4.450	114.97	6.50
98	1.364	79.59	6.50	139	0.690	40.85	5.39	140	0.748	111.87	4.28
999	0.128	44.51	1.67								

EQUATIONS FOR ESTIMATING VERTICAL TRUNK CIRCUMFERENCE, SITTING NO. 51

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.642	113.00	4.43	3	4.267	141.94	6.13	4	4.370	144.45	6.20
5	3.054	144.04	6.20	7	0.741	29.95	4.81	8	0.741	29.47	4.80
9	0.801	38.57	4.84	10	0.833	40.23	4.71	11	0.830	40.50	4.86
12	0.756	60.62	5.24	13	0.817	68.14	5.43	14	0.726	82.44	5.72
15	0.738	89.05	5.75	16	0.719	90.96	5.83	17	0.641	103.46	6.04
18	1.149	101.83	5.96	19	0.683	99.18	5.95	22	1.495	24.07	4.40
23	1.593	13.71	4.18	24	1.567	34.57	4.48	25	2.017	33.08	3.77
26	2.018	102.91	5.54	27	1.280	121.00	5.75	28	1.236	99.33	6.14
29	1.033	100.78	5.90	30	1.383	70.64	5.45	31	1.813	93.85	5.86
32	1.767	108.74	6.09	33	0.701	98.10	5.97	34	0.598	99.93	5.87
35	0.447	61.01	5.32	36	1.833	88.20	5.79	37	0.720	77.77	5.41
38	0.775	84.77	5.31	39	0.656	91.21	5.39	40	0.743	94.84	5.47
41	0.660	105.71	5.47	42	0.490	108.10	5.50	43	0.751	79.75	5.04
44	0.717	81.76	4.94	45	0.847	103.08	5.49	46	1.654	90.02	5.38
47	1.419	101.62	5.73	48	1.383	102.72	5.75	49	2.309	101.38	5.84
50	0.887	13.09	2.41	52	0.733	76.77	4.80	53	1.748	85.22	5.19
54	1.462	109.95	5.59	55	1.416	113.80	5.70	56	1.391	112.80	5.71
57	1.337	115.76	5.71	58	1.370	113.71	5.69	59	1.690	104.48	5.82
60	2.529	90.69	5.55	61	2.217	94.70	5.62	62	4.828	77.83	5.58
63	1.666	90.35	5.96	64	1.548	85.25	5.49	65	1.746	101.19	5.64
66	1.656	119.38	6.03	67	1.809	106.42	5.54	68	1.758	88.59	5.27
69	1.320	99.66	5.36	70	10.564	85.27	5.70	71	10.762	84.41	5.70
72	5.561	104.93	6.06	73	6.006	101.18	6.01	74	1.731	109.14	5.64
75	1.891	117.89	5.74	76	1.565	117.37	5.66	77	2.001	107.74	5.49
78	2.463	119.44	5.79	80	1.578	109.84	5.84	81	0.868	93.45	5.60
82	0.977	115.82	6.11	83	0.868	107.20	5.90	84	0.949	110.07	5.88
85	1.576	86.22	5.55	86	1.786	90.10	5.55	88	1.589	117.70	6.19
89	1.379	76.54	5.65	90	1.004	70.16	5.65	91	2.510	103.92	6.10
92	5.669	107.24	6.17	93	2.895	97.04	6.01	94	2.850	81.47	5.71
139	0.718	31.88	4.83	140	0.674	111.72	4.42	999	0.115	44.44	1.74

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI
SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING BUTTOCK CIRCUMFERENCE, SITTING

NO. 52

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.732	57.74	2.60	3	6.685	87.27	4.88	4	6.895	91.13	5.09
5	4.782	90.57	5.08	6	4.456	92.89	5.64	7	0.386	37.43	5.63
8	0.385	37.34	5.63	9	0.428	40.42	5.61	10	0.449	40.79	5.57
11	0.458	39.54	5.58	13	0.488	51.06	5.68	15	0.460	61.97	5.76
16	0.471	61.28	5.76	22	0.676	43.03	5.68	23	0.740	36.65	5.62
24	0.731	46.12	5.66	25	0.953	44.73	5.54	26	1.338	68.73	5.63
29	1.068	49.04	5.33	30	1.371	21.26	4.90	31	1.195	62.95	5.77
34	0.401	66.38	5.77	35	0.247	50.79	5.71	36	1.834	38.10	5.25
37	0.873	12.34	4.12	38	0.887	25.27	4.21	39	0.768	31.09	4.23
40	0.882	34.44	4.32	41	0.862	42.07	3.84	42	0.670	42.62	3.64
43	1.016	4.86	2.20	44	0.951	9.39	2.08	45	1.228	31.87	3.20
46	2.073	24.74	3.88	47	1.818	37.92	4.52	48	1.780	39.06	4.54
49	2.319	51.10	5.30	50	0.654	-1.00	4.11	51	0.632	5.16	4.46
53	1.845	31.55	4.39	54	1.923	47.23	4.10	55	1.999	48.80	4.01
56	1.962	47.43	4.05	57	1.933	50.39	3.92	58	1.944	48.41	3.95
59	1.638	55.81	5.34	60	3.097	27.29	4.34	61	2.708	32.36	4.49
62	4.328	35.24	5.25	63	1.493	46.48	5.58	64	1.887	20.98	4.24
65	1.993	44.20	4.74	66	2.028	62.41	5.22	67	2.226	46.29	4.30
68	2.319	18.91	3.27	69	1.858	29.04	2.97	70	8.324	48.94	5.53
71	8.507	48.10	5.52	72	5.585	54.67	5.54	73	6.124	50.15	5.47
74	2.114	50.02	4.51	75	2.592	55.90	4.28	76	2.248	53.04	3.79
77	2.770	41.40	3.53	78	3.006	62.61	4.79	80	1.712	56.35	5.16
81	0.920	39.99	4.90	82	1.179	58.66	5.37	83	0.906	55.25	5.31
84	1.074	54.73	5.13	86	1.084	63.60	5.71	88	1.631	66.78	5.67
89	1.122	40.18	5.46	90	0.781	37.84	5.51	93	2.403	55.98	5.68
94	2.030	51.14	5.64	115	4.035	47.99	5.74	139	0.401	33.99	5.56
140	0.744	57.67	2.91	999	0.131	22.70	1.02				

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI

SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING SCYE CIRCUMFERENCE								NO. 53			
X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.236	23.47	1.44	3	2.082	33.14	1.99	4	2.514	33.87	1.94
5	1.590	33.96	2.00	7	0.139	14.57	2.13	8	0.139	14.48	2.13
9	0.155	15.52	2.12	10	0.170	14.68	2.09	11	0.167	15.05	2.11
13	0.174	19.65	2.15	15	0.171	22.96	2.17	16	0.178	22.46	2.17
22	0.223	18.30	2.17	23	0.244	16.21	2.15	24	0.239	19.48	2.17
25	0.339	17.44	2.10	26	0.429	27.07	2.16	29	0.323	21.69	2.11
30	0.420	12.98	2.00	31	0.525	20.82	2.12	33	0.195	22.64	2.16
34	0.153	24.27	2.16	35	0.927A	18.63	2.15	36	0.698	13.54	1.97
37	0.330	3.96	1.54	38	0.349	7.69	1.50	39	0.287	11.35	1.60
40	0.328	12.72	1.64	41	0.298	17.07	1.60	42	0.209	19.20	1.71
43	0.282	10.69	1.66	44	0.252	13.09	1.72	45	0.332	18.68	1.81
46	0.577	16.15	1.88	47	0.517	19.45	1.97	48	0.501	19.95	1.98
49	0.701	22.32	2.10	50	0.218	3.43	1.73	51	0.213	5.13	1.81
52	0.261	11.00	1.65	54	0.791	15.39	1.35	55	0.738	18.20	1.54
56	0.726	17.65	1.55	57	0.684	19.54	1.59	58	0.695	18.65	1.58
59	0.689	18.51	1.93	60	1.206	8.79	1.57	61	1.059	10.65	1.63
62	1.866	9.18	1.86	63	0.516	18.60	2.13	64	0.701	7.74	1.62
65	0.737	16.47	1.80	66	0.727	23.63	1.99	67	0.779	18.30	1.72
68	0.567	17.27	1.91	69	0.453	19.80	1.89	70	3.466	15.84	2.03
71	3.604	15.11	2.01	72	1.885	21.80	2.12	73	2.076	20.20	2.10
74	0.766	18.99	1.74	75	0.868	22.33	1.77	76	0.699	22.50	1.75
77	0.801	20.15	1.78	78	0.960	25.16	1.95	80	0.597	21.88	1.99
81	0.331	15.51	1.88	82	0.418	22.44	2.05	83	0.341	20.26	2.00
84	0.396	20.41	1.94	86	0.425	22.83	2.13	88	0.620	24.47	2.13
89	0.423	14.54	2.05	90	0.304	12.90	2.05	92	2.219	20.34	2.12
93	1.246	14.27	1.99	94	0.744	19.19	2.13	125	0.144	32.79	2.14
139	0.146	13.07	2.10	140	0.242	23.33	1.49	999	0.422A	9.23	0.57

EQUATIONS FOR ESTIMATING AXILLARY ARM CIRCUMFERENCE								NO. 54			
X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.247	13.18	1.42	3	2.869	21.98	1.74	4	3.289	23.21	1.71
5	2.126	23.25	1.80	6	1.583	24.91	2.19	30	0.333	8.31	2.17
36	0.695	3.98	2.03	37	0.365	-9.21	1.40	38	0.378	-4.41	1.40
39	0.319	-1.18	1.47	40	0.340	2.17	1.65	41	0.323	5.73	1.53
42	0.238	7.05	1.57	43	0.316	-2.15	1.54	44	0.283	0.48	1.60
45	0.400	5.25	1.62	46	0.641	4.17	1.83	47	0.590	7.29	1.93
48	0.569	7.96	1.95	49	0.686	12.97	2.17	50	0.202	-3.76	1.88
51	0.186	-0.47	2.00	52	0.284	-0.96	1.58	53	0.826	-3.20	1.38
55	0.909	4.16	1.06	56	0.878	3.91	1.16	57	0.847	5.70	1.15
58	0.850	4.88	1.17	59	0.626	10.55	2.06	60	1.295	-2.96	1.51
61	1.127	-0.71	1.59	62	1.642	2.87	2.03	63	0.501	9.48	2.19
64	0.792	-5.73	1.45	65	0.767	5.97	1.82	66	0.799	12.63	1.99
67	0.807	7.97	1.74	68	0.640	5.06	1.86	69	0.539	6.85	1.76
70	2.823	10.12	2.17	71	2.879	9.87	2.17	72	1.723	13.45	2.21
73	1.872	12.20	2.19	74	0.850	7.34	1.67	75	0.954	11.21	1.71
76	0.792	10.89	1.63	77	0.923	7.91	1.66	78	0.994	15.08	1.98
80	0.622	11.58	2.02	81	0.343	5.07	1.91	82	0.460	11.31	2.05
83	0.324	11.44	2.08	84	0.404	10.41	1.99	86	0.397	14.11	2.21
88	0.607	15.08	2.19	93	1.008	8.97	2.15	140	0.249	13.27	1.50
999	0.441A	5.19	0.56								

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI
SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING BICEPS CIRCUMFERENCE, RELAXED, RIGHT

NO. 55

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.245	11.47	1.37	3	3.023	19.86	1.60	4	2.989	21.77	1.78
5	1.914	21.84	1.86	6	1.888	22.60	2.08	30	0.333	6.49	2.12
36	0.634	4.21	2.03	37	0.338	-8.33	1.50	38	0.345	-3.45	1.53
39	0.293	-0.68	1.57	40	0.329	1.16	1.64	41	0.302	5.32	1.59
42	0.229	6.00	1.57	43	0.313	-3.70	1.48	44	0.285	-1.54	1.52
45	0.409	2.92	1.51	46	0.696	0.35	1.67	47	0.656	3.21	1.76
48	0.642	3.63	1.77	49	0.795	8.85	2.05	50	0.193	-4.19	1.87
51	0.173	-0.35	1.99	52	0.284	-2.79	1.51	53	0.741	-1.88	1.54
54	0.873	1.66	1.04	56	0.961	-0.14	0.56	57	0.907	2.34	0.70
58	0.908	1.51	0.76	59	0.663	7.73	1.97	60	1.364	-6.41	1.31
61	1.195	-4.23	1.40	62	1.631	1.21	1.98	64	0.729	-4.91	1.55
65	0.730	5.18	1.82	66	0.743	11.84	1.98	67	0.759	7.30	1.76
68	0.659	2.57	1.77	69	0.564	4.07	1.63	70	2.945	7.55	2.11
71	3.088	6.77	2.10	72	1.820	10.84	2.14	73	1.995	9.37	2.12
74	0.804	6.60	1.69	75	0.907	10.18	1.72	76	0.775	9.42	1.60
77	0.912	6.32	1.61	78	0.998	13.20	1.92	80	0.576	10.93	2.02
81	0.320	4.74	1.92	82	0.430	10.54	2.04	83	0.292	11.19	2.08
84	0.382	9.51	1.97	88	0.562	14.17	2.16	93	0.987	7.53	2.11
140	0.247	11.56	1.45	999	0.437A	4.52	0.54				

EQUATIONS FOR ESTIMATING BICEPS CIRCUMFERENCE, FLEXED, RIGHT

NO. 56

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.248	12.48	1.37	3	2.944	21.19	1.67	4	2.894	23.07	1.84
5	1.866	23.11	1.91	6	1.804	23.92	2.12	30	0.350	6.69	2.12
36	0.648	4.92	2.04	37	0.344	-7.75	1.49	38	0.344	-2.19	1.56
39	0.291	0.68	1.61	40	0.330	2.27	1.67	41	0.302	6.50	1.62
42	0.227	7.35	1.62	43	0.313	-2.51	1.52	44	0.284	-0.26	1.56
45	0.408	4.16	1.55	46	0.702	1.31	1.68	47	0.662	4.19	1.77
48	0.649	4.58	1.78	49	0.812	9.67	2.07	50	0.192	-2.86	1.90
51	0.173	0.83	2.02	52	0.284	-1.61	1.54	53	0.743	-0.77	1.57
54	0.860	3.20	1.15	55	0.979	1.72	0.56	57	0.906	3.54	0.78
58	0.920	2.38	0.75	59	0.718	7.42	1.93	60	1.400	-6.07	1.28
61	1.239	-4.15	1.35	62	1.731	0.89	1.96	64	0.737	-4.07	1.57
65	0.736	6.19	1.84	66	0.754	12.82	2.00	67	0.758	8.51	1.79
68	0.650	4.06	1.81	69	0.553	5.68	1.69	70	3.162	7.40	2.10
71	3.339	6.42	2.09	72	1.896	11.41	2.15	73	2.081	9.86	2.13
74	0.806	7.74	1.71	75	0.905	11.40	1.75	76	0.766	10.79	1.65
77	0.912	7.50	1.64	78	1.038	13.89	1.92	80	0.585	11.88	2.03
81	0.327	5.47	1.93	82	0.432	11.65	2.06	83	0.305	11.73	2.09
84	0.389	10.40	1.99	86	0.377	14.14	2.19	88	0.573	15.12	2.18
93	1.082	6.97	2.10	125	0.130	22.91	2.19	140	0.251	12.51	1.45
999	0.443A	4.91	0.54								

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI

SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING BICEPS CIRCUMFERENCE, RELAXED, LEFT

NO. 57

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.258	10.77	1.42	3	3.139	19.69	1.70	4	3.149	21.61	1.86
5	2.000	21.72	1.96	6	1.996	22.48	2.18	30	0.348	5.68	2.23
36	0.704	1.90	2.10	37	0.358	-10.29	1.55	38	0.364	-5.00	1.59
39	0.307	-1.88	1.65	40	0.347	-0.13	1.72	41	0.323	3.96	1.64
42	0.245	4.68	1.62	43	0.332	-5.42	1.53	44	0.303	-3.21	1.57
45	0.432	1.70	1.57	46	0.735	-1.02	1.74	47	0.695	1.93	1.83
48	0.678	2.45	1.84	49	0.822	8.33	2.16	50	0.202	-5.53	1.97
51	0.180	-1.35	2.10	52	0.302	-4.54	1.55	53	0.757	-2.42	1.67
54	0.897	1.05	1.18	55	1.000	0.05	0.74	56	0.980	-0.60	0.81
58	0.986	-0.50	0.53	59	0.667	7.67	2.09	60	1.396	-7.11	1.45
61	1.218	-4.76	1.54	62	1.624	1.36	2.11	63	0.469	8.85	2.28
64	0.782	-7.08	1.59	65	0.772	4.05	1.90	66	0.783	11.15	2.08
67	0.803	6.29	1.84	68	0.703	1.08	1.84	69	0.601	2.71	1.69
70	2.945	7.60	2.23	71	3.168	6.33	2.21	72	1.820	10.89	2.26
73	2.021	9.21	2.24	74	0.840	5.80	1.78	75	0.956	9.40	1.80
76	0.820	8.53	1.67	77	0.966	5.23	1.68	78	1.032	12.83	2.03
80	0.588	10.67	2.14	81	0.336	3.75	2.02	82	0.453	9.78	2.14
83	0.307	10.50	2.19	84	0.404	8.64	2.07	88	0.571	14.03	2.28
93	0.922	8.77	2.26	140	0.260	10.87	1.51	999	0.461A	4.24	0.56

EQUATIONS FOR ESTIMATING BICEPS CIRCUMFERENCE, FLEXED, LEFT

NO. 58

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.255	11.82	1.41	3	3.000	20.83	1.73	4	2.989	22.69	1.89
5	1.916	22.76	1.97	6	1.906	23.50	2.17	30	0.355	6.15	2.19
36	0.698	2.98	2.07	37	0.352	-8.81	1.55	38	0.361	-3.88	1.57
39	0.304	-0.74	1.64	40	0.339	1.34	1.72	41	0.315	5.37	1.64
42	0.237	6.24	1.64	43	0.325	-3.89	1.54	44	0.296	-1.66	1.58
45	0.422	3.13	1.58	46	0.729	0.07	1.71	47	0.685	3.15	1.82
48	0.671	3.57	1.82	49	0.831	9.02	2.13	50	0.202	-4.66	1.94
51	0.181	-0.62	2.07	52	0.297	-3.16	1.55	53	0.753	-1.40	1.64
54	0.880	2.39	1.20	55	0.979	1.46	0.79	56	0.974	0.44	0.77
57	0.964	1.80	0.53	59	0.719	7.14	2.01	60	1.386	-6.00	1.42
61	1.228	-4.13	1.48	62	1.662	1.67	2.07	63	0.487	9.08	2.24
64	0.768	-5.62	1.59	65	0.759	5.29	1.89	66	0.774	12.19	2.06
67	0.792	7.43	1.82	68	0.685	2.58	1.83	69	0.583	4.27	1.70
70	3.112	7.45	2.18	71	3.350	6.10	2.16	72	1.896	11.15	2.22
73	2.090	9.53	2.20	74	0.817	7.22	1.78	75	0.931	10.70	1.80
76	0.794	9.95	1.69	77	0.936	6.74	1.69	78	1.027	13.77	2.00
80	0.593	11.42	2.10	81	0.334	4.75	1.99	82	0.450	10.76	2.11
83	0.310	11.23	2.15	84	0.391	10.06	2.06	88	0.585	14.62	2.25
93	1.010	8.04	2.20	140	0.257	11.92	1.50	999	0.455A	4.66	0.56

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI

SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING ELBOW CIRCUMFERENCE, FLEXED

NO. 59

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.136	19.12	1.46	7	0.122	7.20	1.62	8	0.122	7.12	1.63
9	0.134	8.32	1.62	10	0.138	8.78	1.61	11	0.145	7.84	1.61
12	0.130	11.59	1.65	13	0.152	11.73	1.65	14	0.149	13.10	1.66
15	0.162	13.58	1.64	16	0.161	13.74	1.65	17	0.149	16.14	1.68
18	0.260	16.06	1.67	19	0.162	14.91	1.66	23	0.185	11.14	1.68
25	0.219	14.27	1.69	28	0.310	14.25	1.69	29	0.231	15.96	1.67
30	0.311	9.12	1.58	31	0.382	15.13	1.67	32	0.453	16.38	1.67
33	0.153	15.63	1.68	34	0.125	16.50	1.68	35	0.872A	9.60	1.62
36	0.403	13.38	1.65	37	0.177	9.20	1.53	38	0.181	11.73	1.54
39	0.142	14.24	1.59	40	0.166	14.64	1.59	41	0.150	16.90	1.58
42	0.945A	18.88	1.64	43	0.149	13.02	1.58	44	0.134	14.21	1.59
45	0.175	17.27	1.62	46	0.382	13.11	1.56	47	0.323	15.95	1.63
48	0.319	16.06	1.63	49	0.547	15.44	1.64	50	0.125	7.67	1.56
51	0.125	8.22	1.58	52	0.140	12.98	1.56	53	0.418	11.47	1.50
54	0.364	16.99	1.57	55	0.400	16.73	1.53	56	0.426	15.56	1.49
57	0.365	17.61	1.55	58	0.403	16.28	1.50	60	0.831	7.47	1.37
61	0.884	4.90	1.17	62	1.402	6.00	1.48	63	0.392	12.93	1.66
64	0.368	11.57	1.57	65	0.374	16.51	1.63	66	0.391	19.73	1.68
67	0.404	17.23	1.60	68	0.306	16.28	1.65	69	0.216	18.73	1.67
70	2.798	9.81	1.56	71	2.965	8.89	1.54	72	1.353	15.99	1.67
73	1.449	15.18	1.67	74	0.358	18.51	1.64	75	0.414	19.93	1.64
76	0.316	20.38	1.65	77	0.414	18.22	1.62	78	0.617	19.30	1.61
81	0.163	16.35	1.66	83	0.176	18.28	1.69	84	0.185	19.18	1.69
89	0.282	11.94	1.65	90	0.231	8.59	1.61	91	0.687	14.35	1.66
92	1.657	14.46	1.66	93	0.944	9.68	1.56	94	0.654	11.24	1.62
95	1.172	16.58	1.68	125	0.110	23.69	1.67	139	0.121	7.06	1.62
140	0.139	19.07	1.48	999	0.242A	7.54	0.58				

EQUATIONS FOR ESTIMATING FOREARM CIRCUMFERENCE, RELAXED

NO. 60

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.148	14.93	0.81	3	1.417	20.78	1.14	4	1.376	21.71	1.21
5	0.942	21.62	1.21	6	0.897	22.05	1.30	10	0.839A	12.41	1.30
11	0.878A	11.89	1.30	25	0.170	13.62	1.30	29	0.174	15.17	1.29
30	0.245	9.41	1.22	36	0.430	8.96	1.18	37	0.201	3.29	0.91
38	0.198	6.80	0.97	39	0.160	9.12	1.04	40	0.188	9.50	1.03
41	0.172	11.92	1.01	42	0.117	13.46	1.08	43	0.175	7.09	0.97
44	0.158	8.42	1.00	45	0.221	11.22	1.02	46	0.439	7.54	0.96
47	0.422	9.07	1.00	48	0.409	9.48	1.01	49	0.622	10.36	1.12
50	0.119	5.10	1.11	51	0.112	6.67	1.17	52	0.159	7.58	0.98
53	0.438	7.23	0.95	54	0.450	11.13	0.89	55	0.493	10.85	0.79
56	0.496	10.19	0.76	57	0.457	11.75	0.83	58	0.464	11.16	0.82
59	0.497	10.07	1.06	61	0.844	2.40	0.51	62	1.361	3.11	0.98
63	0.349	10.97	1.25	64	0.424	5.72	0.97	65	0.430	11.44	1.11
66	0.427	15.56	1.21	67	0.454	12.52	1.06	68	0.359	10.92	1.13
69	0.284	12.63	1.11	70	2.607	7.49	1.12	71	2.655	7.28	1.12

.....CONTINUED ON THE NEXT PAGE

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI

SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING FOREARM CIRCUMFERENCE, RELAXED.....CONTINUED NO. 60

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
72	1.325	12.72	1.24	73	1.450	11.67	1.22	74	0.425	13.43	1.11
75	0.489	15.16	1.11	76	0.401	15.10	1.09	77	0.501	12.88	1.05
78	0.633	15.60	1.13	80	0.308	15.62	1.25	81	0.180	11.74	1.18
82	0.258	14.43	1.23	83	0.191	14.04	1.23	84	0.228	13.87	1.19
86	0.246	15.22	1.29	88	0.378	15.78	1.28	89	0.238	10.79	1.25
90	0.170	9.95	1.26	92	1.539	11.85	1.24	93	0.860	7.72	1.14
94	0.464	12.31	1.28	95	1.002	14.59	1.28	98	0.278	8.22	1.30
115	0.993	10.68	1.29	117	0.790	15.43	1.30	125	0.103	20.40	1.25
139	0.754A	11.07	1.30	140	0.150	14.94	0.86	999	0.264A	5.88	0.32

EQUATIONS FOR ESTIMATING FOREARM CIRCUMFERENCE, FLEXED

NO. 61

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.157	15.91	0.95	3	1.501	22.12	1.28	4	1.460	23.10	1.34
5	1.024	22.96	1.34	6	0.948	23.46	1.44	10	0.906A	13.03	1.44
11	0.961A	12.29	1.43	29	0.188	16.01	1.43	30	0.266	9.70	1.35
36	0.448	9.86	1.32	37	0.214	3.49	1.05	38	0.211	7.20	1.10
39	0.169	9.81	1.17	40	0.199	10.18	1.17	41	0.181	12.81	1.15
42	0.122	14.53	1.23	43	0.185	7.65	1.11	44	0.168	8.97	1.14
45	0.235	11.94	1.15	46	0.464	8.13	1.10	47	0.451	9.58	1.13
48	0.440	9.91	1.14	49	0.662	11.02	1.26	50	0.126	5.52	1.25
51	0.119	7.12	1.30	52	0.169	8.08	1.12	53	0.467	7.65	1.08
54	0.475	11.94	1.04	55	0.525	11.53	0.93	56	0.534	10.67	0.89
57	0.485	12.53	0.97	58	0.500	11.71	0.94	59	0.643	7.63	1.00
60	1.025	0.91	0.56	62	1.458	3.16	1.11	63	0.372	11.64	1.39
64	0.450	6.13	1.11	65	0.452	12.32	1.25	66	0.447	16.69	1.35
67	0.478	13.44	1.21	68	0.382	11.62	1.26	69	0.302	13.44	1.25
70	2.732	8.22	1.27	71	2.812	7.82	1.26	72	1.425	13.41	1.38
73	1.545	12.40	1.36	74	0.448	14.38	1.25	75	0.514	16.23	1.25
76	0.418	16.24	1.23	77	0.530	13.76	1.19	78	0.678	16.54	1.26
80	0.333	16.49	1.38	81	0.194	12.32	1.31	82	0.277	15.26	1.36
83	0.205	14.85	1.36	84	0.238	14.94	1.34	86	0.273	15.81	1.42
88	0.404	16.75	1.42	89	0.250	11.65	1.40	90	0.180	10.65	1.40
92	1.633	12.64	1.38	93	0.951	7.55	1.25	94	0.494	13.09	1.41
95	1.076	15.43	1.42	115	1.045	11.51	1.43	116	0.846	14.06	1.44
117	0.859	16.22	1.44	125	0.113	21.60	1.38	139	0.830A	11.31	1.43
140	0.159	15.93	1.00	999	0.281A	6.26	0.37				

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI

SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING WRIST CIRCUMFERENCE

NO. 62

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.611A	11.43	0.54	7	0.537A	6.26	0.63	8	0.537A	6.22	0.63
9	0.580A	6.89	0.64	10	0.587A	7.22	0.63	11	0.621A	6.77	0.63
12	0.540A	8.57	0.65	13	0.629A	8.65	0.65	14	0.590A	9.47	0.66
15	0.610A	9.92	0.66	16	0.635A	9.74	0.66	18	0.104	10.60	0.67
19	0.632A	10.25	0.66	22	0.877A	7.57	0.65	23	0.959A	6.75	0.64
24	0.927A	8.13	0.65	25	0.109	8.64	0.65	28	0.135	9.42	0.67
29	0.875A	10.79	0.67	30	0.124	7.84	0.63	31	0.165	9.85	0.66
32	0.178	10.80	0.67	33	0.714A	9.67	0.66	34	0.533A	10.49	0.66
35	0.350A	7.99	0.65	36	0.188	8.62	0.64	37	0.784A	7.09	0.59
38	0.763A	8.53	0.60	39	0.605A	9.53	0.62	40	0.735A	9.50	0.62
41	0.651A	10.59	0.62	42	0.404A	11.50	0.65	43	0.644A	8.93	0.61
44	0.583A	9.41	0.62	45	0.732A	10.90	0.64	46	0.181	8.39	0.58
47	0.169	9.19	0.60	48	0.163	9.38	0.61	49	0.330	8.00	0.57
50	0.551A	6.45	0.60	51	0.569A	6.42	0.61	52	0.591A	9.05	0.61
53	0.180	8.28	0.58	54	0.152	10.79	0.62	55	0.157	10.94	0.61
56	0.163	10.60	0.60	57	0.142	11.32	0.62	58	0.148	11.03	0.62
59	0.223	8.95	0.59	60	0.363	6.44	0.51	61	0.320	6.97	0.52
63	0.180	8.51	0.65	64	0.162	8.18	0.60	65	0.169	10.23	0.63
66	0.170	11.81	0.66	67	0.182	10.57	0.62	68	0.131	10.38	0.65
69	0.887A	11.58	0.66	70	1.434	6.17	0.56	71	1.459	6.06	0.56
72	0.718	9.13	0.63	73	0.775	8.65	0.63	74	0.165	11.06	0.64
75	0.182	11.87	0.64	76	0.139	12.06	0.65	77	0.175	11.26	0.64
78	0.276	11.53	0.62	80	0.138	11.44	0.66	81	0.784A	9.85	0.64
82	0.100	11.46	0.67	83	0.874A	10.65	0.65	84	0.926A	11.06	0.65
85	0.105	10.71	0.67	86	0.134	10.46	0.66	88	0.172	11.46	0.67
89	0.137	7.66	0.63	90	0.105	6.61	0.62	91	0.360	8.34	0.62
92	1.048	7.05	0.58	93	0.554	4.81	0.50	94	0.334	6.92	0.60
95	0.660	9.11	0.63	115	0.501	8.51	0.67	125	0.498A	13.47	0.65
139	0.543A	6.02	0.63	140	0.626A	11.40	0.55	999	0.109A	4.50	0.21

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI

SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING BIACROMIAL BREADTH								NO. 63			
X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.108	29.61	1.42	7	0.125	15.58	1.46	8	0.124	15.66	1.46
9	0.134	17.19	1.46	10	0.125	19.36	1.49	11	0.140	17.36	1.46
12	0.130	20.46	1.49	13	0.149	20.90	1.50	14	0.143	22.52	1.51
15	0.154	23.11	1.50	16	0.143	24.09	1.53	17	0.141	25.59	1.54
18	0.249	25.39	1.53	19	0.155	24.30	1.52	22	0.189	19.91	1.52
23	0.199	18.81	1.51	24	0.182	22.43	1.54	25	0.199	24.30	1.55
28	0.288	24.02	1.55	29	0.204	26.11	1.54	30	0.263	20.74	1.49
31	0.360	24.68	1.53	32	0.438	25.60	1.53	33	0.156	24.28	1.52
34	0.126	25.28	1.52	35	0.880A	18.31	1.46	36	0.380	23.02	1.51
37	0.186	17.17	1.33	38	0.157	22.62	1.44	39	0.106	26.33	1.52
40	0.134	25.88	1.50	41	0.114	28.18	1.52	43	0.112	25.36	1.52
44	0.108	25.55	1.51	45	0.124	28.96	1.55	46	0.259	26.44	1.53
47	0.254	27.17	1.54	48	0.251	27.25	1.54	49	0.427	26.84	1.54
50	0.100	20.40	1.49	51	0.104	20.24	1.49	52	0.108	25.04	1.50
53	0.265	26.01	1.52	54	0.246	29.09	1.54	57	0.217	30.27	1.55
58	0.231	29.71	1.54	59	0.332	26.89	1.53	60	0.493	24.27	1.49
61	0.433	25.03	1.50	62	0.956	21.54	1.49	64	0.428	17.92	1.31
65	0.395	24.79	1.45	67	0.340	27.64	1.50	68	0.267	26.51	1.53
70	2.003	23.56	1.52	71	2.056	23.30	1.52	78	0.421	30.61	1.55
79	0.992	21.30	1.29	81	0.148	26.19	1.53	82	0.284	25.89	1.49
83	0.209	25.52	1.49	84	0.175	28.47	1.55	87	0.263	24.24	1.51
88	0.457	26.54	1.52	89	0.403	14.36	1.32	90	0.287	13.00	1.33
91	0.624	24.37	1.53	92	1.362	25.55	1.55	93	0.655	23.85	1.53
94	0.619	20.94	1.48	95	1.069	26.36	1.55	125	0.961A	32.97	1.55
139	0.123	15.60	1.45	140	0.114	29.36	1.42	999	0.193A	11.65	0.56

EQUATIONS FOR ESTIMATING BIDELOID BREADTH								NO. 64			
X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.245	27.73	1.39	3	2.250	37.59	1.96	4	2.655	38.46	1.92
5	1.748	38.43	1.96	10	0.136	23.94	2.19	11	0.139	23.53	2.19
29	0.309	27.13	2.15	30	0.404	18.67	2.05	36	0.729	17.27	1.96
37	0.401	1.61	1.05	38	0.386	9.35	1.30	39	0.307	14.33	1.51
40	0.352	15.71	1.55	41	0.312	20.91	1.56	42	0.216	23.37	1.70
43	0.300	13.78	1.59	44	0.273	15.86	1.63	45	0.369	21.40	1.71
46	0.610	19.73	1.86	47	0.569	22.45	1.93	48	0.549	23.08	1.94
49	0.738	26.31	2.11	50	0.199	11.14	1.87	51	0.193	12.91	1.94
52	0.272	14.67	1.61	53	0.716	15.31	1.63	54	0.775	20.61	1.44
55	0.742	22.87	1.57	56	0.736	22.15	1.56	57	0.722	23.35	1.53
58	0.724	22.66	1.54	59	0.620	25.15	2.03	60	1.195	13.82	1.62
61	1.043	15.82	1.69	62	1.718	16.17	1.96	63	0.853	11.30	1.84
65	0.894	16.85	1.56	66	0.763	27.73	1.99	67	0.828	21.90	1.67
68	0.648	19.21	1.81	69	0.506	22.55	1.80	70	3.076	23.01	2.11
71	3.186	22.44	2.10	72	1.687	28.18	2.18	73	1.866	26.68	2.16
74	0.758	23.95	1.79	75	0.885	26.82	1.78	76	0.721	26.81	1.74
77	0.866	23.55	1.72	78	0.981	29.67	1.96	80	0.607	26.40	2.01
81	0.345	19.37	1.88	82	0.592	21.12	1.81	83	0.394	22.41	1.92
84	0.447	23.03	1.87	86	0.407	28.21	2.17	88	0.777	26.05	2.06
89	0.471	16.76	2.02	90	0.315	16.80	2.06	93	1.031	22.99	2.12
94	0.656	26.08	2.19	115	1.601	21.24	2.17	125	0.138	37.75	2.17
139	0.123	21.63	2.18	140	0.250	27.65	1.45	999	0.438A	10.91	0.55

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI
SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING CHEST BREADTH

NO. 65

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.178	17.72	1.37	3	1.413	25.31	1.75	4	1.864	25.60	1.69
5	1.156	25.71	1.73	29	0.222	17.40	1.81	30	0.287	11.51	1.76
36	0.528	10.18	1.70	37	0.286	-0.72	1.22	38	0.295	3.14	1.23
39	0.247	5.83	1.30	40	0.295	6.07	1.27	41	0.239	11.93	1.40
42	0.165	13.86	1.49	43	0.217	7.68	1.48	44	0.188	10.08	1.54
45	0.248	14.24	1.60	46	0.410	13.11	1.67	47	0.386	14.82	1.71
48	0.376	15.12	1.71	49	0.499	17.47	1.80	50	0.153	4.37	1.60
51	0.149	5.64	1.65	52	0.197	8.30	1.49	53	0.516	8.85	1.51
54	0.513	13.92	1.49	55	0.508	14.98	1.52	56	0.503	14.52	1.52
57	0.488	15.47	1.51	58	0.490	14.99	1.52	59	0.431	16.37	1.75
60	0.830	8.51	1.53	61	0.718	10.06	1.57	62	1.226	9.65	1.70
63	0.538	8.71	1.70	64	0.612	2.37	1.29	66	0.612	16.65	1.66
67	0.610	13.28	1.51	68	0.442	12.54	1.64	69	0.366	14.02	1.60
70	2.332	13.69	1.78	71	2.341	13.71	1.78	72	1.576	15.20	1.78
73	1.704	14.12	1.76	74	0.587	14.12	1.54	75	0.652	16.90	1.57
76	0.538	16.76	1.54	77	0.568	15.98	1.62	78	0.732	18.89	1.68
80	0.444	16.68	1.72	81	0.257	11.23	1.63	82	0.466	11.66	1.54
83	0.303	13.03	1.64	84	0.385	11.77	1.51	86	0.332	16.85	1.80
88	0.635	15.06	1.71	89	0.337	10.03	1.73	90	0.227	9.93	1.76
93	0.730	14.62	1.80	140	0.184	17.53	1.39	999	0.318A	6.97	0.54

EQUATIONS FOR ESTIMATING BUSTPOINT-TO-BUSTPOINT BREADTH

NO. 66

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.121	11.55	1.25	3	1.015	16.60	1.45	4	1.323	16.83	1.41
5	0.971	16.62	1.39	30	0.199	7.10	1.46	36	0.314	7.93	1.46
37	0.169	1.56	1.28	38	0.181	3.28	1.26	39	0.195	1.04	1.07
40	0.177	5.38	1.28	41	0.161	7.71	1.27	42	0.110	9.11	1.33
43	0.141	5.33	1.33	44	0.122	6.91	1.36	45	0.170	9.10	1.37
46	0.276	8.51	1.42	47	0.249	10.03	1.44	48	0.243	10.21	1.44
50	0.959A	3.72	1.40	51	0.923A	4.68	1.42	52	0.131	5.43	1.33
53	0.332	6.22	1.35	54	0.350	8.93	1.31	55	0.338	9.88	1.34
56	0.337	9.50	1.34	57	0.323	10.24	1.34	58	0.327	9.85	1.34
59	0.295	10.57	1.46	60	0.538	5.90	1.36	61	0.463	6.97	1.38
62	0.803	6.52	1.44	64	0.342	4.21	1.33	65	0.400	7.33	1.34
67	0.388	9.17	1.35	68	0.263	9.34	1.43	69	0.228	9.82	1.40
74	0.538	5.81	1.15	75	0.469	10.55	1.33	76	0.371	10.78	1.33
77	0.395	10.18	1.38	78	0.439	13.07	1.45	80	0.401	8.31	1.35
81	0.210	4.84	1.31	82	0.208	11.24	1.46	84	0.179	10.99	1.45
140	0.125	11.42	1.26	999	0.215A	4.56	0.49				

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI

SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING WAIST BREADTH								NO. 67			
X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.197	12.75	1.24	3	1.669	20.95	1.71	4	2.138	21.38	1.63
5	1.581	21.01	1.59	7	0.106	6.95	1.83	8	0.106	6.88	1.83
9	0.120	7.42	1.82	10	0.127	7.38	1.81	11	0.126	7.50	1.82
16	0.149	11.88	1.83	25	0.246	9.86	1.82	29	0.264	11.53	1.79
30	0.344	4.37	1.71	33	0.171	11.45	1.82	36	0.587	4.32	1.67
37	0.271	-3.08	1.35	38	0.279	0.62	1.35	39	0.240	2.59	1.37
40	0.290	2.57	1.33	41	0.313	3.09	0.90	42	0.186	8.20	1.38
43	0.250	0.72	1.34	44	0.215	3.64	1.44	45	0.285	8.32	1.52
46	0.485	6.52	1.59	47	0.433	9.34	1.67	48	0.417	9.85	1.69
49	0.567	12.17	1.79	50	0.160	-0.58	1.60	51	0.158	0.42	1.64
52	0.225	1.63	1.37	53	0.557	3.46	1.46	54	0.552	8.98	1.44
55	0.541	10.27	1.49	56	0.530	9.93	1.50	57	0.519	10.81	1.48
58	0.523	10.25	1.48	59	0.477	11.26	1.74	60	0.895	3.12	1.49
61	0.775	4.77	1.54	62	1.345	4.00	1.68	63	0.474	7.14	1.77
64	0.579	-0.12	1.40	65	0.624	6.66	1.52	66	0.607	12.88	1.69
68	0.503	6.54	1.58	69	0.393	9.12	1.58	70	2.367	9.61	1.79
71	2.498	8.89	1.78	72	1.365	13.05	1.84	73	1.532	11.66	1.82
74	0.632	9.19	1.50	75	0.814	10.28	1.38	76	0.627	11.03	1.41
77	0.686	9.62	1.50	78	0.748	14.83	1.69	80	0.491	11.61	1.70
81	0.272	6.39	1.62	82	0.398	10.18	1.67	83	0.278	10.40	1.71
84	0.369	8.58	1.57	86	0.362	11.97	1.80	88	0.534	13.25	1.79
89	0.331	6.48	1.76	90	0.238	5.19	1.77	93	0.818	9.14	1.79
94	0.612	9.40	1.81	115	1.313	7.20	1.82	139	0.113	5.53	1.80
140	0.201	12.69	1.29	999	0.353A	5.01	0.49				

EQUATIONS FOR ESTIMATING HIP BREADTH								NO. 68			
X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.227	21.86	1.41	3	2.157	30.86	1.88	4	1.943	32.47	2.01
5	1.403	32.20	1.99	6	1.562	32.48	2.06	7	0.129	14.06	2.08
8	0.128	14.14	2.08	9	0.140	15.48	2.08	10	0.142	16.24	2.08
11	0.146	15.70	2.08	13	0.157	19.22	2.10	22	0.242	14.57	2.07
23	0.265	12.28	2.05	24	0.269	15.14	2.06	25	0.321	16.35	2.04
26	0.459	24.24	2.07	29	0.342	18.65	2.00	30	0.443	9.53	1.88
36	0.523	17.32	2.04	37	0.261	8.76	1.76	38	0.254	13.57	1.82
39	0.214	15.77	1.85	40	0.247	16.61	1.86	41	0.243	18.64	1.77
42	0.203	17.58	1.65	43	0.331	3.97	1.22	44	0.329	3.62	1.00
45	0.418	11.78	1.34	46	0.683	10.17	1.59	47	0.620	13.80	1.72
48	0.606	14.22	1.73	49	0.808	17.93	1.96	50	0.203	3.62	1.72
51	0.201	4.81	1.78	52	0.307	4.27	1.19	53	0.532	15.23	1.85
54	0.574	19.22	1.76	55	0.616	19.19	1.71	56	0.596	19.00	1.73
57	0.596	19.67	1.69	58	0.593	19.23	1.71	59	0.472	22.24	2.05
60	0.927	13.21	1.81	61	0.812	14.69	1.84	62	1.270	15.97	2.02
63	0.488	17.48	2.07	64	0.594	10.10	1.74	65	0.592	18.40	1.90
66	0.539	24.98	2.05	67	0.659	19.07	1.81	69	0.683	8.89	1.05
70	2.732	18.21	2.05	71	2.738	18.26	2.06	72	1.881	19.70	2.05
73	2.072	18.10	2.02	74	0.588	21.07	1.90	75	0.683	23.35	1.90
76	0.630	21.81	1.77	77	0.833	17.35	1.64	78	0.969	22.92	1.85
80	0.509	21.99	2.00	81	0.271	17.29	1.95	82	0.329	23.43	2.07
83	0.279	21.19	2.02	84	0.321	21.44	1.99	89	0.367	15.40	2.03
90	0.250	15.07	2.05	94	0.623	19.97	2.10	139	0.134	12.91	2.06
140	0.231	21.83	1.46	999	0.405A	8.61	0.56				

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI

SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING THIGH-TO-THIGH BREADTH, SITTING								NO. 69			
X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.298	20.98	1.78	3	3.104	32.28	2.31	4	2.808	34.58	2.51
5	1.958	34.33	2.51	6	2.291	34.54	2.60	25	0.366	16.96	2.69
26	0.582	24.59	2.68	29	0.368	20.63	2.67	30	0.489	10.11	2.55
36	0.665	15.75	2.63	37	0.342	3.85	2.26	38	0.342	9.38	2.30
39	0.301	11.18	2.29	40	0.338	13.07	2.34	41	0.331	15.95	2.21
42	0.283	13.95	1.99	43	0.432	-2.26	1.54	44	0.423	-2.11	1.30
45	0.572	6.46	1.54	46	0.915	4.97	1.97	47	0.814	10.40	2.20
48	0.802	10.74	2.20	49	0.971	17.72	2.57	50	0.261	-2.12	2.23
51	0.251	0.52	2.34	52	0.410	-2.81	1.40	53	0.707	11.96	2.36
54	0.805	16.10	2.15	55	0.876	15.75	2.03	56	0.844	15.58	2.09
57	0.847	16.45	2.00	58	0.841	15.87	2.04	59	0.555	23.22	2.68
60	1.223	9.48	2.31	61	1.068	11.52	2.35	62	1.433	16.75	2.67
64	0.773	5.82	2.23	65	0.816	15.35	2.39	66	0.778	23.77	2.59
67	0.857	17.51	2.33	68	1.137	-1.57	1.35	72	2.238	20.02	2.68
73	2.488	17.94	2.64	74	0.838	18.38	2.36	75	0.972	21.65	2.35
76	0.909	19.20	2.11	77	1.174	13.36	1.94	78	1.132	24.11	2.48
80	0.681	20.83	2.55	81	0.361	14.64	2.48	82	0.450	22.41	2.64
83	0.346	21.10	2.62	84	0.427	20.19	2.55	89	0.391	17.34	2.70
140	0.302	21.01	1.86	999	0.531A	8.28	0.70				

EQUATIONS FOR ESTIMATING HUMERAL BREADTH, RIGHT								NO. 70			
X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.219A	4.87	0.26	7	0.248A	2.11	0.27	8	0.249A	2.08	0.27
9	0.269A	2.39	0.27	10	0.271A	2.56	0.27	11	0.287A	2.35	0.27
12	0.258A	3.08	0.28	13	0.301A	3.12	0.28	14	0.297A	3.37	0.28
15	0.285A	3.78	0.28	16	0.284A	3.80	0.28	17	0.267A	4.19	0.29
18	0.497A	4.05	0.28	19	0.298A	3.91	0.28	22	0.392A	2.83	0.28
23	0.426A	2.49	0.28	24	0.420A	3.04	0.28	25	0.460A	3.47	0.28
28	0.588A	3.72	0.29	29	0.399A	4.23	0.29	30	0.526A	3.11	0.27
31	0.709A	3.94	0.28	32	0.753A	4.37	0.29	33	0.280A	4.06	0.29
34	0.230A	4.21	0.29	35	0.156A	3.03	0.28	36	0.614A	4.06	0.29
37	0.272A	3.40	0.27	38	0.260A	3.94	0.28	39	0.208A	4.27	0.28
40	0.257A	4.22	0.28	41	0.204A	4.76	0.29	42	0.134A	4.99	0.29
43	0.228A	4.00	0.28	44	0.211A	4.12	0.28	45	0.259A	4.70	0.29
46	0.640A	3.81	0.27	47	0.579A	4.16	0.28	48	0.556A	4.23	0.28
49	0.108	3.86	0.27	50	0.215A	2.81	0.27	51	0.231A	2.67	0.27
52	0.211A	4.02	0.28	53	0.623A	3.82	0.27	54	0.486A	4.80	0.28
55	0.527A	4.78	0.28	56	0.555A	4.65	0.28	57	0.478A	4.91	0.28
58	0.517A	4.76	0.28	59	0.829A	3.90	0.27	60	0.129	3.11	0.25
61	0.111	3.36	0.26	62	0.267	2.14	0.24	63	0.702A	3.62	0.28
64	0.541A	3.87	0.28	65	0.599A	4.46	0.28	67	0.595A	4.70	0.28
68	0.524A	4.30	0.28	71	0.935	0.43	0.12	72	0.329	3.46	0.27
73	0.352	3.27	0.27	74	0.554A	4.82	0.29	77	0.544A	4.98	0.29
78	0.103	4.85	0.28	81	0.270A	4.37	0.29	83	0.318A	4.56	0.29
85	0.444A	4.33	0.29	86	0.512A	4.41	0.29	89	0.554A	3.18	0.28
90	0.429A	2.72	0.27	91	0.148	3.41	0.27	92	0.392	3.17	0.27
93	0.185	2.74	0.26	94	0.132	2.96	0.27	95	0.224	4.15	0.29
125	0.198A	5.54	0.29	139	0.245A	2.10	0.27	140	0.229A	4.83	0.26
999	0.392B	1.92	0.10								

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI
SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING HUMERAL BREADTH, LEFT								NO. 71			
X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.218A	4.84	0.25	7	0.247A	2.10	0.26	8	0.247A	2.08	0.26
9	0.269A	2.36	0.26	10	0.271A	2.53	0.26	11	0.285A	2.34	0.26
12	0.257A	3.06	0.27	13	0.299A	3.10	0.27	14	0.295A	3.35	0.27
15	0.286A	3.74	0.28	16	0.291A	3.71	0.28	17	0.271A	4.13	0.28
18	0.493A	4.03	0.28	19	0.302A	3.85	0.28	22	0.384A	2.86	0.27
23	0.416A	2.54	0.27	24	0.400A	3.15	0.28	25	0.469A	3.38	0.27
28	0.587A	3.69	0.28	29	0.402A	4.18	0.28	30	0.526A	3.08	0.27
31	0.713A	3.89	0.28	32	0.780A	4.28	0.28	33	0.288A	3.97	0.28
34	0.221A	4.25	0.28	35	0.155A	3.01	0.27	36	0.613A	4.03	0.28
37	0.268A	3.41	0.27	38	0.255A	3.95	0.27	39	0.198A	4.32	0.28
40	0.249A	4.25	0.28	41	0.206A	4.72	0.28	42	0.133A	4.96	0.29
43	0.225A	3.99	0.27	44	0.207A	4.13	0.27	45	0.257A	4.68	0.28
46	0.640A	3.78	0.26	47	0.573A	4.14	0.27	48	0.556A	4.20	0.27
49	0.108	3.82	0.27	50	0.213A	2.81	0.26	51	0.227A	2.69	0.26
52	0.208A	4.02	0.27	53	0.625A	3.78	0.27	54	0.478A	4.79	0.28
55	0.533A	4.74	0.28	56	0.565A	4.59	0.27	57	0.496A	4.83	0.28
58	0.536A	4.68	0.27	59	0.847A	3.82	0.26	60	0.127	3.12	0.25
61	0.111	3.33	0.25	62	0.262	2.18	0.24	63	0.694A	3.61	0.28
64	0.541A	3.84	0.27	65	0.580A	4.48	0.28	67	0.605A	4.64	0.28
68	0.506A	4.33	0.28	70	0.902	0.57	0.12	72	0.311	3.58	0.27
73	0.334	3.38	0.26	74	0.519A	4.87	0.28	78	0.101	4.84	0.27
81	0.259A	4.41	0.28	83	0.306A	4.59	0.28	85	0.444A	4.30	0.28
86	0.505A	4.41	0.28	89	0.537A	3.24	0.27	90	0.423A	2.73	0.27
91	0.144	3.45	0.27	92	0.383	3.21	0.26	93	0.181	2.79	0.25
94	0.132	2.92	0.26	95	0.225	4.11	0.28	125	0.190A	5.53	0.28
139	0.242A	2.12	0.26	140	0.227A	4.81	0.25	999	0.389B	1.91	0.10

EQUATIONS FOR ESTIMATING FEMORAL BREADTH, RIGHT								NO. 72			
X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.292A	6.43	0.39	7	0.254A	4.00	0.42	8	0.256A	3.95	0.42
9	0.281A	4.21	0.42	10	0.283A	4.38	0.42	11	0.297A	4.20	0.42
24	0.486A	4.53	0.43	30	0.612A	4.60	0.42	37	0.326A	4.84	0.42
38	0.322A	5.40	0.42	39	0.267A	5.72	0.42	40	0.334A	5.63	0.42
41	0.281A	6.23	0.42	42	0.209A	6.33	0.42	43	0.322A	5.10	0.41
44	0.305A	5.21	0.41	45	0.413A	5.83	0.42	46	0.104	4.34	0.38
47	0.851A	5.21	0.41	48	0.800A	5.38	0.41	49	0.143	5.10	0.41
50	0.252A	4.22	0.42	51	0.263A	4.17	0.42	52	0.307A	5.05	0.41
53	0.733A	5.40	0.42	54	0.641A	6.36	0.43	55	0.704A	6.31	0.42
56	0.720A	6.19	0.42	57	0.639A	6.48	0.42	58	0.680A	6.31	0.42
59	0.867A	5.78	0.42	60	0.142	4.78	0.41	61	0.126	4.97	0.41
62	0.289	3.79	0.40	64	0.641A	5.43	0.43	65	0.875A	5.67	0.42
67	0.741A	6.33	0.43	68	0.780A	5.39	0.42	69	0.557A	5.99	0.42
70	0.711	3.76	0.39	71	0.697	3.86	0.40	73	0.989	0.07	0.13
76	0.683A	6.69	0.43	78	0.163	6.09	0.40	83	0.436A	5.96	0.43
89	0.604A	4.90	0.43	90	0.439A	4.62	0.43	93	0.184	4.75	0.42
94	0.134	4.89	0.42	139	0.255A	3.92	0.42	140	0.307A	6.37	0.39
999	0.521B	2.53	0.16								

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI
SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING FEMORAL BREADTH, LEFT

NO. 73

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.300A	6.41	0.38	7	0.252A	4.05	0.41	8	0.254A	4.01	0.41
9	0.279A	4.26	0.41	10	0.283A	4.41	0.41	11	0.294A	4.26	0.41
23	0.442A	4.36	0.41	24	0.477A	4.62	0.41	30	0.618A	4.59	0.41
37	0.337A	4.76	0.40	38	0.330A	5.36	0.41	39	0.274A	5.68	0.41
40	0.349A	5.55	0.40	41	0.292A	6.18	0.41	42	0.217A	6.28	0.41
43	0.335A	5.00	0.40	44	0.315A	5.14	0.39	45	0.425A	5.78	0.40
46	0.106	4.29	0.37	47	0.878A	5.14	0.39	48	0.837A	5.27	0.39
49	0.145	5.08	0.40	50	0.258A	4.16	0.40	51	0.268A	4.12	0.40
52	0.317A	4.97	0.39	53	0.760A	5.32	0.40	54	0.656A	6.34	0.41
55	0.727A	6.28	0.40	56	0.744A	6.15	0.40	57	0.668A	6.43	0.41
58	0.707A	6.26	0.40	59	0.874A	5.78	0.41	60	0.146	4.71	0.39
61	0.128	4.94	0.39	62	0.293	3.76	0.38	64	0.668A	5.34	0.41
65	0.891A	5.65	0.40	67	0.784A	6.25	0.41	68	0.809A	5.31	0.40
69	0.583A	5.91	0.40	70	0.717	3.74	0.38	71	0.706	3.83	0.38
72	0.932	0.58	0.12	74	0.722A	6.43	0.42	76	0.717A	6.64	0.41
78	0.162	6.13	0.39	83	0.437A	5.98	0.41	89	0.602A	4.93	0.41
90	0.440A	4.64	0.41	91	0.146	5.46	0.41	92	0.357	5.44	0.42
93	0.185	4.75	0.40	94	0.136	4.87	0.41	117	0.253	5.56	0.41
139	0.253A	3.98	0.41	140	0.313A	6.36	0.38	999	0.535B	2.52	0.15

EQUATIONS FOR ESTIMATING CHEST DEPTH

NO. 74

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.191	12.62	1.29	3	1.814	20.19	1.66	4	2.437	20.51	1.53
5	1.591	20.50	1.58	29	0.241	12.14	1.81	30	0.306	6.07	1.76
36	0.524	5.96	1.72	37	0.264	-2.87	1.38	38	0.295	-1.21	1.26
39	0.298	-3.10	0.92	40	0.299	1.42	1.27	41	0.260	6.17	1.31
42	0.185	7.80	1.38	43	0.234	1.73	1.42	44	0.202	4.40	1.50
45	0.276	8.33	1.54	46	0.447	7.42	1.65	47	0.384	10.53	1.73
48	0.373	10.87	1.73	50	0.157	-0.60	1.60	51	0.150	1.13	1.66
52	0.213	2.34	1.43	53	0.546	3.39	1.47	54	0.580	7.73	1.38
55	0.571	9.02	1.42	56	0.561	8.61	1.43	57	0.541	9.76	1.43
58	0.538	9.37	1.45	59	0.420	12.31	1.78	60	0.834	4.06	1.55
61	0.724	5.56	1.59	62	1.215	5.46	1.73	64	0.529	1.49	1.50
65	0.598	6.90	1.56	66	0.838	8.11	1.43	67	0.630	8.44	1.50
68	0.447	8.01	1.66	69	0.382	9.05	1.59	70	2.198	10.16	1.81
71	2.134	10.62	1.82	73	1.406	12.20	1.83	75	0.806	9.93	1.38
76	0.650	10.06	1.35	77	0.691	9.03	1.48	78	0.722	14.66	1.71
80	0.640	7.33	1.51	81	0.324	2.51	1.46	82	0.370	10.67	1.71
83	0.240	11.79	1.76	84	0.346	9.06	1.62	86	0.338	12.29	1.82
89	0.273	9.09	1.82	90	0.185	8.92	1.83	93	0.680	11.19	1.83
140	0.195	12.55	1.33	999	0.341A	4.97	0.51				

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI

SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING WAIST DEPTH

NO. 75

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.164	7.55	1.13	3	1.531	14.10	1.45	4	2.098	14.32	1.33
5	1.350	14.35	1.38	29	0.201	7.42	1.58	30	0.252	2.54	1.53
36	0.453	1.73	1.49	37	0.218	-4.88	1.24	38	0.232	-2.53	1.21
39	0.212	-2.01	1.16	40	0.242	-0.97	1.19	41	0.258	-0.32	0.89
42	0.172	2.28	1.11	43	0.208	-2.46	1.20	44	0.176	0.25	1.29
45	0.236	3.92	1.34	46	0.398	2.57	1.41	47	0.332	5.68	1.50
48	0.322	5.99	1.50	50	0.132	-3.37	1.41	51	0.123	-1.44	1.46
52	0.195	-2.49	1.17	53	0.463	-0.16	1.29	54	0.487	3.65	1.22
55	0.482	4.67	1.25	56	0.472	4.37	1.27	57	0.461	5.18	1.25
58	0.459	4.83	1.27	59	0.364	7.20	1.54	60	0.719	0.13	1.35
61	0.622	1.48	1.38	62	1.003	2.01	1.51	64	0.462	-2.33	1.28
65	0.497	3.10	1.37	66	0.547	6.88	1.44	67	0.607	2.37	1.19
68	0.389	3.41	1.43	69	0.332	4.34	1.38	74	0.603	2.76	1.20
76	0.680	2.81	0.85	77	0.641	3.46	1.22	78	0.598	9.58	1.49
80	0.446	5.64	1.44	81	0.237	1.56	1.39	82	0.309	6.18	1.49
83	0.202	7.04	1.53	84	0.288	4.88	1.42	140	0.166	7.57	1.17
999	0.292A	2.98	0.45								

EQUATIONS FOR ESTIMATING ABDOMINAL EXTENSION DEPTH

NO. 76

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.223	8.02	1.30	3	2.233	16.64	1.74	4	2.785	17.31	1.63
5	1.794	17.35	1.71	6	1.457	18.57	1.98	29	0.306	6.29	1.94
30	0.381	-0.99	1.87	36	0.560	1.99	1.90	37	0.282	-7.43	1.54
38	0.297	-4.13	1.52	39	0.273	-3.60	1.44	40	0.309	-2.08	1.49
41	0.315	-0.28	1.23	42	0.239	0.42	1.21	43	0.295	-6.73	1.34
44	0.253	-3.21	1.47	45	0.346	1.70	1.54	46	0.569	0.23	1.68
47	0.490	4.16	1.81	48	0.476	4.60	1.82	49	0.549	9.31	2.00
50	0.178	-6.60	1.73	51	0.164	-3.72	1.83	52	0.272	-6.31	1.32
53	0.599	-1.33	1.62	54	0.650	3.06	1.48	55	0.662	3.94	1.48
56	0.642	3.69	1.51	57	0.635	4.59	1.47	58	0.629	4.20	1.50
59	0.446	8.86	1.96	60	0.948	-1.37	1.67	61	0.813	0.59	1.72
62	1.236	2.40	1.93	64	0.605	-4.44	1.59	65	0.659	2.44	1.70
66	0.697	7.97	1.82	67	0.752	2.75	1.54	68	0.576	0.75	1.69
69	0.499	1.83	1.57	72	1.507	8.66	2.01	73	1.680	7.22	1.99
74	0.782	2.40	1.49	75	1.092	2.31	1.08	77	0.911	1.62	1.35
78	0.890	9.82	1.80	80	0.557	6.69	1.84	81	0.294	1.72	1.78
82	0.410	6.52	1.87	83	0.268	7.65	1.93	84	0.375	5.09	1.78
88	0.497	10.77	2.01	140	0.225	8.09	1.37	999	0.398A	3.16	0.51

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI

SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING BUTTOCK DEPTH								NO. 77			
X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.191	10.13	1.06	3	1.968	17.41	1.43	4	2.131	18.41	1.46
5	1.372	18.45	1.51	6	1.358	18.99	1.65	29	0.289	7.36	1.60
30	0.370	-0.10	1.50	36	0.476	5.09	1.60	37	0.234	-2.34	1.33
38	0.234	1.44	1.36	39	0.207	2.58	1.34	40	0.233	3.84	1.39
41	0.231	5.63	1.27	42	0.174	6.25	1.27	43	0.263	-3.47	1.02
44	0.241	-1.81	1.05	45	0.337	2.46	1.08	46	0.544	1.41	1.30
47	0.497	4.18	1.40	48	0.486	4.52	1.41	49	0.606	8.38	1.61
50	0.163	-4.02	1.40	51	0.149	-1.21	1.50	52	0.239	-2.75	1.04
53	0.490	2.98	1.39	54	0.540	6.34	1.27	55	0.556	6.91	1.26
56	0.545	6.55	1.27	57	0.534	7.45	1.25	58	0.529	7.11	1.27
59	0.418	9.88	1.63	60	0.845	1.32	1.36	61	0.735	2.80	1.40
62	1.109	4.56	1.61	64	0.519	-0.58	1.33	65	0.497	7.24	1.52
66	0.529	11.35	1.59	67	0.587	6.99	1.38	68	0.544	2.13	1.32
69	0.460	3.59	1.21	70	1.850	9.81	1.70	74	0.593	7.13	1.37
75	0.734	8.66	1.30	76	0.650	7.57	1.14	78	0.845	10.64	1.44
80	0.422	10.39	1.60	81	0.233	5.96	1.54	82	0.318	10.01	1.61
83	0.209	10.83	1.65	84	0.289	8.97	1.56	140	0.191	10.29	1.14
999	0.342A	3.98	0.42								

EQUATIONS FOR ESTIMATING THIGH CLEARANCE								NO. 78			
X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.119	5.57	0.88	3	0.964	10.60	1.14	4	0.851	11.34	1.18
5	0.743	10.97	1.14	7	0.899A	-2.14	1.13	8	0.906A	-2.31	1.13
9	0.101	-1.62	1.12	10	0.101	-0.88	1.12	11	0.107	-1.69	1.12
12	0.958A	1.10	1.15	13	0.123	0.10	1.12	14	0.117	1.54	1.14
15	0.126	2.02	1.13	16	0.133	1.50	1.12	17	0.115	4.08	1.17
18	0.211	3.58	1.15	19	0.134	2.45	1.13	23	0.126	1.65	1.19
24	0.137	2.34	1.18	28	0.256	1.93	1.16	29	0.217	2.08	1.10
30	0.281	-3.70	1.01	31	0.287	3.54	1.16	32	0.315	5.07	1.18
34	0.879A	5.07	1.18	35	0.587A	0.74	1.15	36	0.288	2.72	1.16
37	0.138	-1.42	1.03	38	0.127	1.74	1.08	39	0.107	2.84	1.09
40	0.128	2.92	1.09	41	0.117	4.57	1.08	42	0.841A	5.23	1.09
43	0.139	-0.58	0.98	44	0.132	-0.14	0.97	45	0.198	1.45	0.93
46	0.355	-0.45	0.96	47	0.334	1.03	1.00	48	0.322	1.41	1.01
49	0.456	2.82	1.11	50	0.939A	-2.06	1.07	51	0.898A	-1.04	1.10
52	0.127	-0.26	0.98	53	0.287	1.79	1.07	54	0.285	4.62	1.06
55	0.297	4.83	1.05	56	0.304	4.29	1.04	57	0.279	5.28	1.06
58	0.284	4.90	1.05	59	0.304	4.24	1.13	60	0.522	0.18	1.02
61	0.460	0.95	1.04	62	0.855	-0.36	1.09	63	0.246	3.62	1.19
64	0.287	0.42	1.06	65	0.313	3.67	1.10	66	0.288	7.10	1.17
67	0.313	4.88	1.10	68	0.309	1.63	1.05	69	0.217	4.15	1.09
70	1.715	1.92	1.14	71	1.745	1.79	1.14	72	1.256	2.24	1.12
73	1.325	1.65	1.11	74	0.303	5.27	1.11	75	0.335	6.74	1.12
76	0.311	5.94	1.06	77	0.414	3.68	1.01	80	0.227	6.65	1.18
81	0.123	4.41	1.16	82	0.172	6.41	1.18	83	0.147	5.18	1.16
84	0.157	5.82	1.16	89	0.211	1.19	1.14	90	0.165	-0.70	1.13
91	0.451	4.15	1.17	92	1.030	4.66	1.19	93	0.541	2.53	1.15
94	0.457	1.44	1.14	139	0.903A	-2.43	1.12	140	0.121	5.55	0.90
999	0.212A	2.20	0.35								

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI

SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING SHOULDER LENGTH

								NO. 79			
X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
7	0.622A	4.58	0.95	8	0.620A	4.57	0.95	9	0.691A	5.04	0.95
11	0.680A	5.68	0.96	13	0.761A	7.03	0.96	14	0.750A	7.67	0.97
15	0.777A	8.24	0.97	19	0.807A	8.65	0.97	35	0.432A	6.05	0.95
63	0.385	0.86	0.80	87	0.158	7.69	0.95	89	0.195	4.26	0.91
90	0.137	3.76	0.92	94	0.313	7.13	0.96	139	0.599A	4.80	0.95

EQUATIONS FOR ESTIMATING NECK-TO-BUSTPOINT LENGTH

								NO. 80			
X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.144	17.18	1.55	3	1.262	23.09	1.76	4	1.584	23.46	1.73
5	1.133	23.26	1.71	36	0.374	12.87	1.78	37	0.189	6.52	1.62
38	0.209	7.89	1.58	39	0.213	6.38	1.45	40	0.188	11.52	1.65
41	0.185	13.06	1.59	42	0.136	13.85	1.61	43	0.170	9.58	1.63
44	0.157	10.54	1.64	45	0.199	14.46	1.69	46	0.337	13.26	1.73
47	0.283	15.83	1.78	48	0.276	16.05	1.78	50	0.132	5.11	1.66
51	0.131	5.84	1.68	52	0.165	9.00	1.60	53	0.407	10.40	1.64
54	0.406	14.35	1.63	55	0.391	15.48	1.66	56	0.390	15.05	1.66
57	0.362	16.20	1.68	58	0.373	15.60	1.67	60	0.579	11.90	1.71
61	0.514	12.66	1.72	62	0.970	10.98	1.76	64	0.405	8.54	1.64
65	0.433	13.37	1.70	66	0.599	14.39	1.65	67	0.468	14.20	1.66
68	0.370	12.56	1.70	69	0.297	14.15	1.69	74	0.612	11.03	1.47
75	0.570	15.80	1.63	76	0.443	16.24	1.64	77	0.471	15.53	1.69
78	0.518	19.05	1.78	81	0.434	-2.81	0.82	82	0.283	15.57	1.76
83	0.239	13.69	1.72	84	0.213	16.52	1.77	140	0.149	17.02	1.56
999	0.257A	6.77	0.61								

EQUATIONS FOR ESTIMATING STRAP LENGTH

								NO. 81			
X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
1	0.198	60.58	3.71	2	0.341	45.53	2.97	3	2.961	59.59	3.58
4	3.625	60.56	3.51	5	2.480	60.33	3.52	7	0.211	31.02	3.71
8	0.210	31.04	3.71	11	0.237	33.94	3.72	22	0.418	29.99	3.68
23	0.442	27.39	3.66	24	0.449	32.13	3.68	25	0.507	35.82	3.68
30	0.536	34.44	3.66	36	1.059	29.48	3.50	37	0.468	18.23	3.10
38	0.498	23.27	3.05	39	0.481	22.06	2.80	40	0.448	31.92	3.26
41	0.441	35.58	3.09	42	0.313	38.41	3.20	43	0.405	27.30	3.21
44	0.364	30.54	3.26	45	0.462	39.59	3.40	46	0.803	36.07	3.48
47	0.696	41.46	3.60	48	0.682	41.88	3.60	50	0.314	16.73	3.28
51	0.311	18.55	3.35	52	0.382	27.02	3.16	53	0.974	29.09	3.23
54	0.966	38.72	3.21	55	0.937	41.22	3.28	56	0.938	40.09	3.27
57	0.891	42.36	3.28	58	0.908	41.12	3.27	59	0.790	43.91	3.66
60	1.458	30.99	3.37	61	1.297	32.83	3.39	62	2.384	29.55	3.54
63	0.847	34.86	3.67	64	0.992	23.68	3.18	65	1.081	34.96	3.33
66	1.351	40.18	3.32	67	1.116	38.29	3.28	68	0.848	35.57	3.44
69	0.680	39.25	3.41	70	4.414	38.15	3.68	71	4.387	38.46	3.69
74	1.336	33.63	2.95	75	1.306	43.00	3.26	76	1.007	44.18	3.29
77	1.120	41.53	3.37	78	1.206	50.22	3.62	80	1.869	17.57	1.71
82	0.730	39.63	3.50	83	0.541	38.50	3.50	84	0.564	41.45	3.53
86	0.770	39.37	3.62	88	1.025	44.35	3.67	89	0.608	32.80	3.64
90	0.398	33.55	3.70	93	1.415	39.30	3.71	139	0.216	29.67	3.69
140	0.354	45.08	2.99	999	0.610A	17.91	1.17				

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI
SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING INTERSCYE CURVATURE

NO. 82

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.173	25.07	2.06	4	1.830	32.70	2.27	5	1.184	32.72	2.30
36	0.536	16.97	2.27	37	0.314	3.53	1.83	38	0.305	9.36	1.91
39	0.246	12.98	2.00	40	0.275	14.62	2.04	41	0.236	19.20	2.07
42	0.161	21.27	2.14	43	0.211	15.30	2.14	44	0.182	17.72	2.18
45	0.234	22.08	2.23	46	0.396	20.68	2.27	47	0.370	22.42	2.29
48	0.360	22.73	2.30	50	0.134	14.36	2.26	51	0.135	14.80	2.27
52	0.189	16.16	2.15	53	0.476	17.40	2.18	54	0.500	21.34	2.14
55	0.487	22.58	2.17	56	0.480	22.20	2.17	57	0.466	23.10	2.17
58	0.472	22.53	2.17	60	0.808	16.09	2.17	61	0.714	17.22	2.19
62	1.176	17.46	2.29	63	0.629	12.51	2.21	64	0.659	7.46	1.91
65	0.757	13.87	1.96	66	0.516	25.49	2.31	67	0.633	19.78	2.11
68	0.399	21.10	2.27	69	0.328	22.53	2.25	74	0.591	21.08	2.16
75	0.659	23.84	2.18	76	0.544	23.69	2.15	77	0.591	22.56	2.20
78	0.655	26.91	2.30	80	0.473	23.00	2.27	81	0.282	16.66	2.17
83	0.417	14.46	2.02	84	0.438	16.60	2.04	88	1.005	14.59	2.02
89	0.390	14.26	2.25	90	0.246	15.48	2.30	140	0.179	24.87	2.08
999	0.309A	9.87	0.81								

EQUATIONS FOR ESTIMATING INTERSCYE CURVATURE, MAXIMUM

NO. 83

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.241	35.48	2.74	4	2.199	46.56	3.11	5	1.552	46.33	3.10
7	0.193	18.10	3.08	8	0.193	17.98	3.08	9	0.215	19.46	3.06
10	0.213	21.30	3.07	11	0.213	21.27	3.09	13	0.235	25.82	3.11
18	0.465	29.87	3.10	23	0.332	20.97	3.11	24	0.343	24.11	3.11
25	0.405	25.90	3.11	30	0.469	22.46	3.05	36	0.772	23.34	3.02
37	0.367	12.54	2.69	38	0.374	17.88	2.71	39	0.287	23.64	2.85
40	0.340	24.12	2.84	41	0.291	29.83	2.88	42	0.209	31.49	2.91
43	0.281	23.08	2.89	44	0.257	24.91	2.90	45	0.326	31.31	2.99
46	0.585	28.15	3.01	47	0.503	32.22	3.09	48	0.490	32.62	3.09
50	0.203	18.04	2.98	51	0.218	16.68	2.96	52	0.264	22.99	2.87
53	0.703	23.31	2.87	54	0.640	31.83	2.93	55	0.600	34.02	2.98
56	0.615	32.91	2.96	57	0.573	34.69	2.98	58	0.590	33.73	2.97
59	0.597	33.29	3.11	60	1.084	23.94	2.93	61	0.959	25.44	2.95
62	1.866	21.47	3.01	63	0.841	19.25	2.98	64	0.796	16.06	2.72
65	0.893	24.39	2.81	67	0.801	30.06	2.90	68	0.615	27.88	2.99
69	0.457	31.94	3.02	70	3.646	27.03	3.09	71	3.636	27.21	3.10
72	2.313	30.62	3.12	73	2.461	29.36	3.11	74	0.694	32.98	3.00
75	0.780	36.12	3.02	76	0.644	35.94	2.99	77	0.706	34.46	3.03
78	1.013	36.79	3.03	80	0.722	30.98	2.99	81	0.380	24.61	2.93
82	0.756	22.89	2.72	84	0.450	30.43	2.99	88	1.223	24.48	2.84
89	0.619	16.39	2.93	90	0.429	15.25	2.96	139	0.195	17.29	3.06
140	0.257	34.77	2.72	999	0.431A	13.96	1.08				

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI
SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING BACK CURVATURE

NO. 84

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.246	27.94	2.43	3	2.011	38.32	2.85	4	2.713	38.66	2.76
5	1.550	39.09	2.85	30	0.398	19.29	2.87	36	0.709	18.22	2.81
37	0.385	3.49	2.32	38	0.389	9.37	2.36	39	0.335	12.09	2.38
40	0.409	11.75	2.32	41	0.332	19.83	2.45	42	0.229	22.53	2.56
43	0.303	13.77	2.54	44	0.262	17.18	2.62	45	0.341	23.23	2.69
46	0.581	21.05	2.75	47	0.564	22.89	2.78	48	0.546	23.45	2.79
50	0.198	11.57	2.73	51	0.206	11.23	2.74	52	0.270	15.15	2.57
53	0.705	15.99	2.59	54	0.688	23.27	2.59	55	0.677	24.81	2.63
56	0.677	24.01	2.62	57	0.649	25.49	2.62	58	0.642	25.11	2.64
59	0.542	27.52	2.90	60	1.120	15.85	2.63	61	0.960	18.17	2.68
62	1.706	16.62	2.80	63	0.607	20.39	2.89	64	0.778	9.57	2.47
65	0.979	14.74	2.41	66	0.695	29.27	2.86	67	0.918	20.00	2.48
68	0.609	20.85	2.74	69	0.486	23.58	2.72	74	0.865	21.69	2.55
75	0.959	25.83	2.60	76	0.778	25.89	2.57	77	0.840	24.38	2.66
78	0.932	30.55	2.82	80	0.557	27.94	2.87	81	0.341	19.90	2.74
82	0.686	18.10	2.55	83	0.388	22.98	2.77	88	0.854	24.75	2.82
89	0.492	15.91	2.81	90	0.319	16.76	2.86	140	0.252	27.81	2.46
999	0.439A	11.00	0.96								

EQUATIONS FOR ESTIMATING WAIST BACK

NO. 85

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
7	0.216	5.50	1.80	8	0.216	5.36	1.79	9	0.244	6.55	1.76
10	0.225	10.84	1.84	11	0.229	10.28	1.85	12	0.217	14.84	1.90
13	0.194	21.06	2.04	14	0.210	20.95	2.01	15	0.193	24.56	2.06
16	0.186	25.22	2.08	17	0.196	26.26	2.08	18	0.319	27.12	2.08
19	0.205	25.24	2.06	22	0.419	5.20	1.75	23	0.459	1.22	1.67
24	0.438	8.23	1.77	25	0.536	9.42	1.70	27	0.330	33.02	2.06
30	0.272	24.89	2.10	31	0.448	26.62	2.09	33	0.193	26.20	2.09
35	0.121	16.40	1.96	50	0.151	17.19	1.96	51	0.180	13.50	1.88
62	1.015	25.32	2.09	70	2.318	26.29	2.10	71	2.400	25.87	2.09
86	0.512	23.32	1.98	87	0.323	26.26	2.07	89	0.329	22.97	2.07
90	0.255	20.22	2.05	91	0.771	26.34	2.09	94	0.774	21.88	2.04
139	0.208	6.27	1.80								

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI

SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING ANTERIOR WAIST LENGTH

NO. 86

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.119	26.71	1.74	7	0.149	9.42	1.74	8	0.149	9.33	1.74
9	0.155	12.00	1.76	10	0.156	13.01	1.76	11	0.179	9.95	1.71
12	0.155	15.24	1.78	22	0.312	7.28	1.67	23	0.328	5.50	1.66
24	0.324	9.70	1.69	25	0.365	12.41	1.70	27	0.257	27.74	1.85
30	0.244	19.57	1.85	35	0.839A	16.86	1.82	37	0.148	18.72	1.80
38	0.145	21.36	1.82	39	0.136	21.38	1.80	40	0.155	22.06	1.81
41	0.139	24.24	1.80	43	0.123	22.06	1.83	44	0.108	23.29	1.85
46	0.293	22.94	1.84	50	0.159	9.02	1.63	51	0.159	9.72	1.66
52	0.112	22.38	1.83	53	0.311	22.04	1.82	54	0.278	25.95	1.85
56	0.269	26.37	1.85	60	0.495	21.96	1.83	61	0.453	22.26	1.83
62	1.014	18.41	1.82	64	0.291	21.39	1.84	65	0.346	23.89	1.84
67	0.370	24.65	1.82	70	2.082	20.81	1.85	71	2.129	20.59	1.85
74	0.347	25.37	1.84	81	0.191	21.12	1.81	85	0.399	17.41	1.75
139	0.143	10.04	1.75	140	0.124	26.52	1.74	999	0.213A	10.51	0.68

EQUATIONS FOR ESTIMATING SLEEVE INSEAM

NO. 87

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
7	0.285	-2.07	1.71	8	0.284	-2.09	1.71	9	0.319	-0.28	1.66
10	0.309	3.38	1.72	11	0.327	0.96	1.68	12	0.335	4.49	1.67
13	0.396	4.42	1.63	14	0.409	6.03	1.60	15	0.420	9.40	1.62
16	0.421	9.52	1.66	17	0.455	11.05	1.61	18	0.745	12.85	1.64
19	0.465	9.48	1.53	20	0.681	36.51	2.23	22	0.278	20.70	2.24
23	0.296	18.79	2.23	24	0.257	25.19	2.28	25	0.305	26.44	2.28
28	0.827	10.18	1.86	29	0.497	20.41	1.99	30	0.592	10.13	1.85
31	1.085	10.49	1.65	32	1.391	11.60	1.49	33	0.423	12.77	1.77
34	0.314	17.80	1.87	35	0.212	1.89	1.60	63	0.570	23.70	2.23
79	0.881	31.21	2.24	85	0.384	28.57	2.26	89	0.658	9.04	1.82
90	0.576	-1.71	1.48	91	1.193	22.20	2.13	94	1.226	14.62	1.98
139	0.272	-0.65	1.74								

EQUATIONS FOR ESTIMATING SPINE-TO-SCYE LENGTH (SLEEVE LENGTH SEGMENT)

NO. 88

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.775A	15.89	1.23	37	0.129	7.41	1.18	38	0.130	9.41	1.19
39	0.100	11.39	1.23	40	0.115	11.82	1.24	41	0.907A	14.27	1.26
42	0.627A	15.00	1.28	43	0.856A	12.35	1.27	44	0.756A	13.16	1.28
50	0.634A	10.58	1.29	51	0.681A	10.15	1.28	52	0.810A	12.27	1.26
53	0.218	12.28	1.26	54	0.204	14.77	1.27	55	0.197	15.32	1.28
56	0.197	15.09	1.28	57	0.181	15.72	1.28	58	0.190	15.32	1.28
60	0.367	11.75	1.26	61	0.322	12.32	1.27	62	0.624	11.03	1.28
63	0.313	9.15	1.26	64	0.267	9.19	1.21	65	0.319	11.44	1.21
67	0.263	14.02	1.26	76	0.204	16.10	1.29	81	0.123	12.34	1.27
82	0.311	9.46	1.13	83	0.209	10.04	1.17	84	0.169	13.24	1.26
89	0.308	3.94	1.14	90	0.191	5.17	1.20	140	0.821A	15.70	1.22
999	0.138A	6.26	0.48								

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI

SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING SPINE-TO-ELBOW LENGTH (SLEEVE LENGTH SEGMENT) NO. 89

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.182	42.81	1.98	7	0.272	9.23	1.77	8	0.272	9.05	1.76
9	0.296	12.12	1.77	10	0.291	14.95	1.80	11	0.307	12.79	1.77
12	0.289	19.12	1.88	13	0.353	17.92	1.81	14	0.349	20.81	1.85
15	0.355	23.97	1.87	16	0.354	24.21	1.90	17	0.360	27.14	1.94
18	0.589	28.59	1.96	19	0.376	25.30	1.87	22	0.359	23.06	2.10
23	0.379	20.87	2.09	24	0.360	26.78	2.14	25	0.399	30.18	2.16
28	0.698	24.67	2.03	29	0.467	31.04	2.03	30	0.583	19.84	1.85
31	1.056	20.57	1.69	32	0.964	30.77	2.01	33	0.371	25.81	1.93
34	0.271	30.60	2.01	35	0.188	15.86	1.79	36	0.503	36.34	2.25
37	0.250	28.21	2.04	38	0.222	34.61	2.14	39	0.168	38.24	2.21
40	0.207	37.93	2.18	41	0.168	42.03	2.22	42	0.113	43.64	2.26
43	0.180	36.46	2.19	44	0.170	37.12	2.18	45	0.197	42.39	2.26
46	0.422	38.00	2.21	47	0.387	40.10	2.24	48	0.377	40.41	2.25
49	0.617	40.31	2.27	50	0.166	27.68	2.12	51	0.186	25.40	2.08
52	0.175	35.82	2.16	53	0.467	35.99	2.16	59	0.514	39.45	2.22
60	0.725	36.30	2.19	61	0.626	37.68	2.21	62	1.570	29.83	2.13
63	0.868	22.21	1.94	64	0.509	32.00	2.10	65	0.532	38.42	2.18
67	0.512	40.96	2.19	68	0.432	38.21	2.21	69	0.277	42.74	2.27
70	3.406	32.43	2.17	71	3.424	32.43	2.17	72	1.719	39.37	2.28
73	1.819	38.51	2.27	74	0.423	43.32	2.26	78	0.781	43.60	2.20
79	1.080	37.48	2.14	81	0.229	38.38	2.23	82	0.379	40.03	2.22
83	0.332	36.92	2.15	84	0.306	40.42	2.22	85	0.388	37.60	2.25
87	0.653	24.50	1.82	88	0.969	33.58	2.01	90	0.678	-0.64	0.85
91	1.236	30.60	2.09	92	2.333	35.69	2.23	93	0.979	35.38	2.24
94	1.197	24.51	1.99	95	1.560	39.48	2.28	98	0.483	26.82	2.27
125	0.148	48.89	2.25	139	0.266	9.53	1.76	140	0.194	42.28	1.96
999	0.325A	16.85	0.78								

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI

SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING SPINE-TO-WRIST LENGTH (SLEEVE LENGTH SEGMENT) NO. 90

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.250	65.15	2.74	7	0.419	11.66	2.17	8	0.419	11.39	2.16
9	0.462	15.28	2.13	10	0.458	19.19	2.17	11	0.480	16.22	2.13
12	0.465	24.57	2.27	13	0.561	23.33	2.16	14	0.561	27.33	2.20
15	0.577	31.88	2.23	16	0.580	31.90	2.28	17	0.593	36.47	2.34
18	0.985	38.23	2.35	19	0.620	33.39	2.19	22	0.495	37.87	2.90
23	0.525	34.64	2.87	24	0.487	43.69	2.97	25	0.566	46.76	2.96
28	1.158	32.05	2.53	29	0.740	44.28	2.62	30	0.906	27.55	2.31
31	1.568	30.97	2.13	32	1.777	38.03	2.26	33	0.590	35.85	2.41
34	0.435	43.12	2.55	35	0.297	20.41	2.14	36	0.755	54.10	3.07
37	0.316	47.85	2.89	38	0.280	55.99	3.01	39	0.211	60.65	3.09
40	0.267	59.74	3.05	41	0.224	64.53	3.08	43	0.240	57.11	3.04
44	0.222	58.43	3.04	45	0.253	65.55	3.14	46	0.581	58.49	3.05
47	0.498	62.58	3.13	48	0.488	62.88	3.13	49	0.863	61.39	3.13
50	0.230	44.07	2.92	51	0.257	41.02	2.86	52	0.232	56.38	3.00
53	0.640	55.84	2.98	59	0.799	58.03	3.00	60	0.987	56.41	3.03
61	0.858	58.16	3.05	62	2.288	45.35	2.89	63	1.178	37.36	2.70
64	0.647	52.49	2.96	65	0.683	60.46	3.05	67	0.699	62.72	3.03
68	0.561	59.97	3.08	70	5.024	48.77	2.94	71	5.129	48.29	2.94
72	2.373	60.32	3.14	73	2.527	59.01	3.13	74	0.547	66.65	3.15
78	1.156	65.21	2.99	79	1.442	58.44	2.97	81	0.284	61.06	3.13
82	0.455	63.63	3.13	83	0.438	57.95	2.99	84	0.377	63.70	3.11
85	0.571	56.45	3.07	87	1.088	31.57	2.03	88	1.141	56.35	2.94
89	1.289	10.86	1.18	91	1.931	44.09	2.75	92	3.531	52.91	3.02
93	1.481	52.45	3.03	94	1.905	33.73	2.53	95	2.503	57.39	3.08
98	0.733	39.37	3.10	104	0.945	58.88	3.14	107	1.110	56.06	3.14
125	0.210	73.31	3.10	139	0.408	12.43	2.16	140	0.267	64.39	2.71
999	0.446A	25.66	1.08								

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI
SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING HAND LENGTH

NO. 91

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.488A	15.57	0.89	7	0.960A	2.82	0.77	8	0.963A	2.71	0.76
9	0.105	3.77	0.76	10	0.104	4.67	0.77	11	0.110	3.86	0.76
12	0.105	5.96	0.79	13	0.128	5.55	0.77	14	0.131	6.18	0.76
15	0.135	7.22	0.77	16	0.132	7.53	0.79	17	0.132	8.79	0.80
18	0.201	9.94	0.83	19	0.139	8.03	0.78	22	0.119	8.35	0.88
23	0.125	7.68	0.87	24	0.120	9.54	0.89	25	0.130	10.84	0.89
28	0.287	6.60	0.80	29	0.155	10.99	0.86	30	0.187	7.64	0.82
31	0.338	7.90	0.79	32	0.324	10.81	0.85	33	0.129	8.82	0.82
34	0.895A	10.88	0.85	35	0.635A	5.73	0.79	50	0.463A	11.23	0.90
51	0.537A	10.32	0.89	59	0.199	13.01	0.89	62	0.654	8.60	0.84
63	0.213	10.75	0.89	70	1.450	9.49	0.85	71	1.455	9.51	0.85
73	0.698	12.70	0.91	78	0.265	15.09	0.90	85	0.144	12.55	0.90
87	0.188	10.09	0.84	89	0.196	7.93	0.83	90	0.161	5.57	0.80
92	1.200	9.32	0.84	93	0.508	9.08	0.84	94	0.607	3.77	0.67
95	0.732	11.89	0.89	139	0.944A	2.84	0.76	140	0.526A	15.39	0.88
999	0.872B	6.13	0.35								

EQUATIONS FOR ESTIMATING HAND BREADTH

NO. 92

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.216A	6.31	0.35	7	0.246A	3.57	0.36	8	0.247A	3.53	0.36
9	0.265A	3.87	0.36	10	0.267A	4.03	0.36	11	0.277A	3.90	0.36
12	0.250A	4.60	0.37	13	0.294A	4.61	0.37	14	0.293A	4.82	0.37
15	0.300A	5.07	0.37	19	0.317A	5.19	0.37	23	0.393A	4.19	0.37
28	0.710A	4.64	0.37	30	0.509A	4.63	0.37	31	0.789A	5.11	0.37
33	0.356A	4.92	0.36	35	0.161A	4.35	0.36	36	0.847A	4.70	0.36
37	0.269A	4.85	0.36	38	0.257A	5.39	0.37	46	0.558A	5.53	0.37
47	0.557A	5.65	0.37	48	0.549A	5.67	0.37	49	0.113	5.17	0.36
50	0.189A	4.64	0.37	51	0.200A	4.55	0.37	53	0.643A	5.17	0.36
59	0.791A	5.42	0.36	60	0.123	4.67	0.35	61	0.107	4.88	0.35
62	0.314	2.86	0.32	63	0.769A	4.80	0.37	70	0.632	3.68	0.34
71	0.640	3.65	0.34	73	0.283	5.25	0.37	78	0.100	6.31	0.37
89	0.611A	4.30	0.36	90	0.486A	3.69	0.35	91	0.198	3.91	0.34
93	0.316	1.77	0.26	94	0.167	3.53	0.34	95	0.349	4.46	0.35
125	0.274A	6.74	0.36	139	0.250A	3.44	0.36	140	0.223A	6.29	0.36
999	0.386B	2.48	0.14								

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI

SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING HAND CIRCUMFERENCE

NO. 93

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.597A	14.87	0.79	7	0.551A	9.39	0.84	8	0.552A	9.33	0.84
9	0.598A	9.99	0.85	10	0.610A	10.27	0.84	11	0.641A	9.86	0.84
12	0.559A	11.70	0.86	13	0.648A	11.82	0.86	23	0.912A	10.51	0.86
30	0.125	11.14	0.85	33	0.808A	12.33	0.85	35	0.358A	11.19	0.85
36	0.190	11.91	0.85	37	0.749A	10.80	0.82	38	0.770A	11.83	0.82
39	0.584A	13.08	0.84	40	0.707A	13.06	0.84	41	0.610A	14.22	0.84
43	0.574A	12.94	0.85	44	0.515A	13.41	0.85	46	0.165	12.33	0.83
47	0.158	12.92	0.83	48	0.155	13.01	0.84	49	0.315	11.68	0.81
50	0.549A	9.84	0.83	51	0.554A	10.00	0.83	52	0.533A	12.99	0.85
53	0.196	11.05	0.79	54	0.152	14.15	0.83	55	0.154	14.37	0.84
56	0.166	13.87	0.82	57	0.131	14.96	0.85	58	0.147	14.42	0.84
59	0.244	11.74	0.80	60	0.372	9.58	0.75	61	0.339	9.85	0.75
62	0.900	4.85	0.64	63	0.201	11.11	0.85	64	0.159	11.66	0.83
65	0.164	13.73	0.85	67	0.180	13.97	0.84	70	1.618	8.39	0.76
71	1.644	8.29	0.76	72	0.743	12.29	0.84	73	0.793	11.86	0.84
74	0.150	14.77	0.86	78	0.284	14.79	0.83	81	0.757A	13.38	0.86
89	0.139	10.91	0.84	90	0.111	9.48	0.83	91	0.455	9.95	0.80
92	1.715	5.36	0.61	94	0.379	9.20	0.80	95	0.883	10.49	0.79
125	0.692A	16.25	0.82	139	0.558A	9.13	0.84	140	0.603A	14.89	0.80
999	0.107A	5.85	0.31								

EQUATIONS FOR ESTIMATING FOOT LENGTH

NO. 94

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.765A	19.65	0.97	7	0.130	3.00	0.81	8	0.130	2.91	0.81
9	0.142	4.30	0.81	10	0.141	5.48	0.82	11	0.148	4.53	0.81
12	0.140	7.50	0.86	13	0.170	7.02	0.83	14	0.169	8.33	0.85
15	0.174	9.68	0.85	16	0.173	9.85	0.87	17	0.171	11.64	0.90
18	0.290	11.89	0.89	19	0.186	10.21	0.84	22	0.168	9.91	0.99
23	0.181	8.58	0.97	24	0.166	11.83	1.01	25	0.193	12.88	1.00
28	0.359	9.33	0.91	29	0.214	13.86	0.96	30	0.268	8.68	0.88
31	0.401	11.64	0.92	32	0.485	12.73	0.91	33	0.172	11.32	0.91
34	0.123	13.76	0.95	35	0.870A	6.74	0.85	36	0.218	16.71	1.07
37	0.752A	16.52	1.06	41	0.658A	19.65	1.07	43	0.703A	17.49	1.06
44	0.657A	17.81	1.06	46	0.201	16.77	1.03	47	0.179	17.96	1.05
48	0.175	18.08	1.05	49	0.379	16.08	1.02	50	0.751A	12.47	1.00
51	0.843A	11.42	0.98	52	0.696A	17.11	1.05	53	0.181	17.35	1.05
59	0.262	17.00	1.03	60	0.311	16.77	1.04	61	0.272	17.28	1.05
62	0.840	11.50	0.96	63	0.293	13.57	1.02	64	0.156	17.54	1.07
67	0.208	19.05	1.05	68	0.161	18.44	1.07	70	1.784	13.13	0.99
71	1.855	12.75	0.98	72	0.839	17.26	1.06	73	0.902	16.73	1.06
78	0.371	19.45	1.03	79	0.382	18.47	1.06	85	0.200	15.97	1.04
87	0.267	12.29	0.92	89	0.263	10.05	0.93	90	0.220	6.56	0.86
91	0.839	8.65	0.79	92	1.400	13.49	0.99	93	0.585	13.35	0.99
95	1.167	13.72	0.97	96	0.548	13.98	1.06	98	0.277	8.87	1.03
104	0.364	16.09	1.05	107	0.398	15.64	1.06	125	0.637A	22.16	1.07
139	0.126	3.33	0.81	140	0.816A	19.43	0.96	999	0.137A	7.73	0.38

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI
SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING FOOT BREADTH

NO. 95

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.260A	7.37	0.46	7	0.295A	4.09	0.47	8	0.293A	4.10	0.47
9	0.312A	4.52	0.47	10	0.317A	4.69	0.47	11	0.335A	4.45	0.46
12	0.326A	5.01	0.47	13	0.377A	5.09	0.47	14	0.360A	5.51	0.47
15	0.401A	5.55	0.47	30	0.682A	4.95	0.46	33	0.419A	5.76	0.47
35	0.216A	4.56	0.46	46	0.780A	6.04	0.47	47	0.838A	6.01	0.46
48	0.813A	6.08	0.46	49	0.159	5.52	0.45	50	0.234A	5.25	0.47
59	0.914A	6.40	0.47	60	0.131	5.79	0.46	61	0.115	6.00	0.47
62	0.323	4.03	0.44	63	0.985A	5.34	0.47	70	0.589	5.25	0.46
71	0.614	5.12	0.46	89	0.667A	5.31	0.47	90	0.563A	4.39	0.46
91	0.197	5.25	0.46	92	0.571	4.55	0.45	93	0.266	4.00	0.44
94	0.227	3.40	0.43	139	0.291A	4.08	0.46	140	0.262A	7.38	0.46
999	0.464B	2.90	0.18								

EQUATIONS FOR ESTIMATING HEAD LENGTH

NO. 96

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
7	0.360A	12.57	0.64	8	0.362A	12.52	0.64	94	0.199	13.62	0.64
98	0.289	2.55	0.49	103	0.203	14.79	0.64	104	0.236	13.24	0.62
105	0.290	15.46	0.63	106	0.374	12.29	0.57	107	0.410	9.72	0.55
108	0.362	11.29	0.58	109	0.305	12.52	0.60	110	0.219	14.42	0.63
111	0.207	11.21	0.60								

EQUATIONS FOR ESTIMATING HEAD BREADTH

NO. 97

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
98	0.158	5.85	0.54	112	0.178	8.48	0.54	115	0.698	5.52	0.48
116	0.511	7.92	0.52	117	0.356	10.89	0.56				

EQUATIONS FOR ESTIMATING HEAD CIRCUMFERENCE

NO. 98

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.869A	49.85	1.49	7	0.894A	40.37	1.53	8	0.902A	40.19	1.53
11	0.977A	41.97	1.54	15	0.121	44.86	1.54	30	0.212	42.69	1.52
35	0.623A	42.45	1.53	36	0.324	43.93	1.53	37	0.104	44.42	1.53
46	0.231	46.48	1.54	50	0.762A	43.10	1.54	60	0.385	45.83	1.53
89	0.220	43.14	1.53	90	0.175	40.94	1.52	94	0.573	41.07	1.49
96	1.655	24.40	1.17	97	1.174	37.82	1.47	99	0.792	44.79	1.51
100	0.634	47.41	1.52	101	0.470	47.93	1.53	102	0.560	45.95	1.50
103	0.579	44.54	1.49	104	0.663	40.34	1.44	105	0.599	48.77	1.53
106	0.824	41.38	1.41	107	0.837	37.13	1.41	108	0.765	39.82	1.44
109	0.649	42.34	1.47	111	0.648	32.32	1.31	112	0.626	33.63	1.36
115	1.325	37.79	1.48	139	0.864A	40.64	1.53	140	0.903A	49.73	1.49
999	0.155A	19.63	0.59								

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI

SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING TRACION TO TOP OF HEAD

X	SLOPE	CONST	S.E.
98	0.175	3.12	0.71
102	0.446	5.63	0.59
106	0.296	7.88	0.71
112	0.285	3.06	0.65

X	SLOPE	CONST	S.E.
100	0.645	5.14	0.48
103	0.440	4.88	0.58
107	0.280	6.79	0.72

NO. 99			
X	SLOPE	CONST	S.E.
101	0.391	6.95	0.61
104	0.440	3.09	0.58
111	0.177	6.57	0.72

EQUATIONS FOR ESTIMATING SCOTOCANTHUS TO TOP OF HEAD

X	SLOPE	CONST	S.E.
98	0.203	0.63	0.86
102	0.737	0.04	0.44
111	0.223	4.01	0.86

X	SLOPE	CONST	S.E.
99	0.933	-0.11	0.58
103	0.710	-0.89	0.46
112	0.266	2.74	0.84

NO. 100			
X	SLOPE	CONST	S.E.
101	0.675	1.80	0.47
104	0.655	-2.58	0.54

EQUATIONS FOR ESTIMATING PRONASALE TO TOP OF HEAD

X	SLOPE	CONST	S.E.
98	0.245	1.32	1.10
102	1.007	-1.26	0.39
111	0.262	5.65	1.10

X	SLOPE	CONST	S.E.
99	0.920	3.05	0.94
103	0.941	-2.01	0.51
112	0.291	4.89	1.10

NO. 101			
X	SLOPE	CONST	S.E.
100	1.097	1.85	0.60
104	0.842	-3.69	0.67

EQUATIONS FOR ESTIMATING SUBNASALE TO TOP OF HEAD

X	SLOPE	CONST	S.E.
98	0.256	1.87	1.02
101	0.884	2.86	0.36
111	0.274	6.38	1.02

X	SLOPE	CONST	S.E.
99	0.920	4.21	0.84
103	0.926	-0.59	0.36
112	0.284	6.28	1.02

NO. 102			
X	SLOPE	CONST	S.E.
100	1.052	3.54	0.52
104	0.846	-2.62	0.53

EQUATIONS FOR ESTIMATING STOMION TO TOP OF HEAD

X	SLOPE	CONST	S.E.
96	0.554	7.63	1.06
100	1.057	5.39	0.56
104	0.886	-1.58	0.49
112	0.305	7.48	1.04

X	SLOPE	CONST	S.E.
98	0.276	2.68	1.03
101	0.862	5.10	0.49
106	0.372	11.74	1.06

NO. 103			
X	SLOPE	CONST	S.E.
99	0.947	5.78	0.86
102	0.966	2.45	0.37
111	0.268	8.50	1.05

EQUATIONS FOR ESTIMATING MENTON TO TOP OF HEAD

X	SLOPE	CONST	S.E.
7	0.682A	10.85	1.06
23	0.115	12.06	1.08
94	0.372	12.95	1.06
99	0.978	9.46	0.86
102	0.911	7.41	0.55
111	0.312	11.05	1.04
121	0.775	13.67	1.04

X	SLOPE	CONST	S.E.
8	0.677A	10.89	1.06
35	0.438A	13.18	1.08
96	0.664	9.68	1.05
100	1.006	10.07	0.67
103	0.915	5.60	0.50
112	0.328	10.78	1.04
139	0.638A	11.41	1.07

NO. 104			
X	SLOPE	CONST	S.E.
11	0.719A	12.42	1.07
90	0.111	13.07	1.08
98	0.326	4.02	1.01
101	0.797	10.14	0.65
106	0.450	14.54	1.05
120	0.866	17.11	1.05

EQUATIONS FOR ESTIMATING TRACION TO WALL

X	SLOPE	CONST	S.E.
96	0.510	0.78	0.83
107	0.685	-4.34	0.61
110	0.489	1.26	0.71

X	SLOPE	CONST	S.E.
98	0.184	0.08	0.85
108	0.678	-3.16	0.61

NO. 105			
X	SLOPE	CONST	S.E.
106	0.800	-2.92	0.46
109	0.609	-1.58	0.63

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI

SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING ECTOCANTHUS TO WALL

NO. 106

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
96	0.760	2.37	0.82	98	0.293	0.29	0.84	99	0.476	10.31	0.90
103	0.278	11.41	0.92	104	0.325	9.25	0.89	105	0.926	6.95	0.49
107	0.839	-1.41	0.54	108	0.819	0.26	0.54	109	0.730	2.28	0.58
110	0.571	5.95	0.72	111	0.222	8.64	0.91				

EQUATIONS FOR ESTIMATING PRONASALE TO WALL

NO. 107

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.440A	18.65	0.90	30	0.120	14.30	0.91	90	0.930A	13.79	0.91
94	0.289	14.23	0.90	96	0.821	6.07	0.78	98	0.293	5.11	0.83
99	0.442	15.56	0.90	105	0.781	13.24	0.66	106	0.826	7.67	0.53
108	0.915	3.20	0.34	109	0.803	5.69	0.45	110	0.660	9.15	0.60
140	0.449A	18.63	0.90	999	0.786B	7.34	0.36				

EQUATIONS FOR ESTIMATING SUBNASALE TO WALL

NO. 108

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
96	0.756	5.74	0.84	98	0.280	4.30	0.87	105	0.806	11.46	0.66
106	0.841	5.90	0.55	107	0.955	-0.57	0.35	109	0.879	2.70	0.31
110	0.723	6.48	0.54								

EQUATIONS FOR ESTIMATING LIP PROTRUSION TO WALL

NO. 109

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
96	0.742	5.64	0.93	98	0.276	4.16	0.96	105	0.842	10.74	0.74
106	0.872	5.03	0.64	107	0.975	-1.36	0.49	108	1.023	-0.81	0.34
110	0.805	4.62	0.53								

EQUATIONS FOR ESTIMATING MENTON TO WALL

NO. 110

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
96	0.614	6.93	1.06	105	0.780	10.30	0.89	106	0.786	5.37	0.84
107	0.922	-1.30	0.71	108	0.970	-0.84	0.62	109	0.928	0.32	0.57

EQUATIONS FOR ESTIMATING SAGITTAL CURVATURE

NO. 111

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
96	0.996	16.45	1.33	98	0.545	4.88	1.20	99	0.670	26.26	1.40
100	0.585	27.90	1.39	101	0.423	28.54	1.40	102	0.504	26.77	1.38
103	0.472	26.37	1.39	104	0.532	23.13	1.36	106	0.524	26.21	1.40
112	0.435	20.03	1.36								

EQUATIONS FOR ESTIMATING BITRAGION-CORONAL CURVATURE

NO. 112

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
97	0.992	19.52	1.27	98	0.469	8.19	1.18	99	0.964	21.66	1.20
100	0.621	26.62	1.28	101	0.418	27.75	1.32	102	0.465	26.52	1.31
103	0.479	25.38	1.30	104	0.499	22.99	1.28	111	0.388	20.43	1.28

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI

SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING BIOCLAR BREADTH

NO. 113

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
115	0.365	4.97	0.46	116	0.363	4.99	0.44	117	0.361	6.00	0.45

EQUATIONS FOR ESTIMATING BIAURICULAR BREADTH

NO. 114

X	SLOPE	CONST	S.E.
115	0.713	6.64	0.88

EQUATIONS FOR ESTIMATING BITRAGION BREADTH

NO. 115

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.260A	11.39	0.46	36	0.109	9.21	0.46	37	0.352A	9.35	0.47
38	0.350A	9.94	0.47	40	0.349A	10.30	0.47	41	0.322A	10.73	0.47
42	0.218A	11.02	0.47	43	0.295A	10.13	0.47	44	0.266A	10.35	0.47
46	0.735A	10.22	0.47	52	0.272A	10.17	0.47	60	0.131	9.81	0.47
61	0.113	10.07	0.47	62	0.247	9.19	0.47	64	0.747A	9.76	0.47
67	0.876A	10.78	0.47	97	0.493	5.73	0.40	98	0.126	5.98	0.46
113	0.377	9.24	0.46	114	0.198	9.75	0.46	116	0.619	4.90	0.35
117	0.468	8.12	0.42	140	0.275A	11.32	0.46	999	0.465B	4.48	0.18

EQUATIONS FOR ESTIMATING BIZYGOMATIC BREADTH

NO. 116

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.275A	11.31	0.54	36	0.109	9.22	0.55	61	0.122	9.85	0.55
97	0.483	5.89	0.50	113	0.501	8.05	0.52	115	0.828	2.23	0.40
117	0.582	6.97	0.48	140	0.287A	11.27	0.54	999	0.491B	4.45	0.21

EQUATIONS FOR ESTIMATING BIGONIAL BREADTH

NO. 117

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.259A	8.69	0.53	37	0.358A	6.59	0.53	40	0.376A	7.39	0.53
60	0.132	7.09	0.53	61	0.118	7.24	0.53	73	0.417	6.79	0.53
97	0.319	5.56	0.53	113	0.472	5.62	0.51	115	0.593	2.54	0.48
116	0.551	3.08	0.46	140	0.271A	8.64	0.53	999	0.463B	3.42	0.21

EQUATIONS FOR ESTIMATING NASAL BREADTH

NO. 118

X	SLOPE	CONST	S.E.
119	0.412	1.39	0.28

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI
SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING LIP LENGTH

NO. 119

X	SLOPE	CONST	S.E.
118	0.671	2.24	0.36

EQUATIONS FOR ESTIMATING MENTON-SUBNASALE LENGTH

NO. 120

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
104	0.174	1.73	0.47	121	0.528	-0.07	0.39

EQUATIONS FOR ESTIMATING MENTON-SELLION LENGTH

NO. 121

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
104	0.224	5.72	0.56	120	0.760	6.42	0.47	122	0.884	6.61	0.49

EQUATIONS FOR ESTIMATING SUBNASALE-SELLION LENGTH

NO. 122

X	SLOPE	CONST	S.E.
121	0.397	0.33	0.33

EQUATIONS FOR ESTIMATING EAR LENGTH...BREADTH..NO USEFUL EQUATIONS

NO. 123/4

EQUATIONS FOR ESTIMATING GRIP STRENGTH

NO. 125

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.274	14.07	5.32	37	0.422	-12.48	5.27	38	0.392	-3.13	5.36
53	0.892	-3.20	5.33	56	0.792	8.67	5.40	59	1.123	-0.40	5.34
60	1.756	-11.33	5.16	61	1.591	-9.84	5.16	62	3.198	-17.96	5.23
63	1.163	-11.79	5.38	64	0.841	-5.32	5.36	70	6.842	-12.07	5.30
71	6.791	-11.54	5.32	89	0.831	-14.41	5.34	90	0.619	-19.37	5.32
92	5.872	-14.47	5.22	93	2.736	-20.23	5.13	94	1.629	-9.32	5.40
140	0.288	13.51	5.31	999	0.488A	5.56	2.09				

EQUATIONS FOR ESTIMATING HEIGHT AS REPORTED BY SUBJECTS

NO. 139

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.460	138.05	5.12	7	0.989	4.28	1.71	8	0.988	3.81	1.67
9	1.069	15.80	1.84	10	1.060	24.83	2.11	11	1.107	18.48	1.94
12	1.064	38.71	2.72	13	1.232	41.06	2.74	14	1.229	50.12	2.94
15	1.215	64.16	3.36	16	1.237	62.91	3.42	17	1.253	73.51	3.68
18	2.010	80.22	3.92	19	1.295	68.12	3.31	21	4.347	135.16	5.63
22	1.416	45.27	4.12	23	1.494	36.72	3.97	24	1.435	58.84	4.35
25	1.621	70.59	4.43	26	1.365	132.71	5.71	28	2.366	67.49	4.34
29	1.482	93.90	4.64	30	1.825	59.80	3.89	31	2.753	79.24	4.26
32	2.945	95.73	4.69	33	1.033	88.03	4.71	34	0.781	99.13	4.87
35	0.611	42.88	3.30	36	1.222	123.36	5.83	37	0.438	120.62	5.76
40	0.404	134.58	5.86	43	0.412	126.03	5.73	44	0.396	126.88	5.70
46	1.107	124.42	5.65	47	0.885	134.39	5.85	48	0.879	134.51	5.85
49	1.763	127.43	5.75	50	0.558	78.43	4.85	51	0.638	68.86	4.55
52	0.413	123.31	5.64	53	1.061	125.24	5.68	59	1.458	125.27	5.61
60	1.515	129.04	5.82	61	1.373	130.31	5.82	62	4.099	103.27	5.45
63	1.745	102.06	5.48	64	0.880	127.76	5.84	67	1.156	136.71	5.76
68	1.039	128.27	5.73	70	9.937	103.65	5.38	71	10.179	102.50	5.36
72	4.788	125.74	5.79	73	5.044	123.55	5.77	78	2.201	137.23	5.53
79	2.193	132.45	5.76	81	0.536	129.65	5.81	83	0.690	130.52	5.75
85	1.618	99.06	5.03	86	1.422	116.86	5.52	87	1.780	86.06	4.44
89	1.756	70.98	4.51	90	1.416	51.91	4.01	91	3.921	92.52	4.90
92	6.300	117.01	5.67	93	2.589	117.18	5.72	94	3.798	73.19	4.45
95	4.488	124.81	5.76	98	1.251	95.97	5.84	104	1.876	123.51	5.80
140	0.499	136.21	5.03	999	0.822A	54.34	2.02				

DIVIDE SLOPES MARKED 'A' BY 10. DIVIDE THOSE MARKED 'B' BY 100.

TABLE XXVI
SIMPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING WEIGHT AS REPORTED BY SUBJECTS

NO. 140

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
2	0.929	3.26	1.66	3	7.418	42.78	5.95	4	8.082	46.50	6.02
5	5.720	45.61	5.96	6	4.621	49.52	6.78	7	0.663	-50.58	5.98
8	0.662	-50.85	5.98	9	0.728	-44.44	5.96	10	0.749	-41.87	5.90
11	0.775	-45.41	5.90	12	0.657	-20.84	6.32	13	0.824	-25.74	6.16
14	0.732	-11.29	6.42	15	0.797	-9.00	6.33	16	0.825	-10.93	6.31
17	0.691	6.66	6.64	18	1.290	2.74	6.50	19	0.798	-2.56	6.43
22	1.035	-30.33	6.35	23	1.126	-39.49	6.24	24	1.093	-23.67	6.36
25	1.386	-23.49	6.17	26	1.625	18.92	6.61	28	1.496	-4.51	6.63
29	1.487	-14.05	5.90	30	1.894	-51.88	5.17	31	2.026	-5.92	6.39
32	2.037	9.26	6.62	33	0.806	-2.86	6.47	34	0.625	4.50	6.51
35	0.414	-25.59	6.25	36	2.437	-25.35	5.91	37	1.139	-57.48	4.17
38	1.136	-38.81	4.46	39	0.983	-31.31	4.50	40	1.139	-27.76	4.57
41	1.051	-13.74	4.30	42	0.763	-8.45	4.56	43	1.114	-47.42	3.59
44	1.028	-41.05	3.66	45	1.379	-19.61	4.22	46	2.525	-34.77	4.35
47	2.304	-21.77	4.99	48	2.253	-20.23	5.02	49	3.197	-10.52	5.89
50	0.819	-69.58	4.47	51	0.810	-64.66	4.84	52	1.037	-46.80	3.43
53	2.385	-31.58	4.68	54	2.353	-7.67	4.62	55	2.424	-5.19	4.55
56	2.416	-7.84	4.51	57	2.320	-2.64	4.52	58	2.345	-5.34	4.52
59	2.254	-3.91	5.96	60	4.072	-38.70	4.49	61	3.553	-31.84	4.74
62	6.387	-38.67	5.57	63	2.184	-21.39	6.23	64	2.415	-44.23	4.52
65	2.587	-15.53	5.21	66	2.686	7.12	5.86	67	2.772	-9.99	4.78
68	2.434	-28.22	4.75	69	1.910	-16.05	4.67	70	12.570	-20.21	6.06
71	12.915	-21.90	6.04	72	7.780	-6.25	6.27	73	8.442	-11.82	6.16
74	2.700	-6.94	4.94	75	3.072	4.63	5.03	76	2.587	2.85	4.65
77	3.086	-8.39	4.60	78	3.988	7.30	5.17	80	2.155	1.95	5.92
81	1.186	-20.46	5.48	82	1.550	2.56	6.11	83	1.229	-3.81	5.94
84	1.394	-1.86	5.79	86	1.667	0.92	6.40	88	2.301	10.03	6.47
89	1.734	-35.56	5.85	90	1.253	-42.82	5.86	91	2.952	2.63	6.61
92	7.583	-0.39	6.55	93	3.782	-12.38	6.31	94	3.313	-22.85	6.14
95	5.456	8.51	6.65	98	1.769	-40.16	6.59	107	2.514	3.62	6.77
115	5.690	-16.45	6.60	116	4.432	-0.28	6.71	117	4.425	11.82	6.74
125	0.458	43.20	6.70	139	0.675	-54.21	5.85	999	0.166	1.27	0.65

EQUATIONS FOR ESTIMATING WEIGHT IN POUNDS FROM LINEAR VALUES IN INCHES NO. 999

X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.	X	SLOPE	CONST	S.E.
3	46.195	92.67	13.31	4	49.064	102.44	13.69	5	34.969	100.13	13.49
6	29.504	108.76	15.46	7	3.737	-111.21	14.04	8	3.729	-111.65	14.03
9	4.126	-98.83	13.95	10	4.246	-93.14	13.83	11	4.392	-100.97	13.82
12	3.694	-44.79	14.75	13	4.650	-56.30	14.40	14	4.105	-23.26	14.97
15	4.540	-20.49	14.73	16	4.733	-25.91	14.66	17	3.888	16.00	15.44
18	7.232	7.75	15.14	19	4.501	-4.74	14.97	22	5.851	-66.86	14.80
23	6.399	-88.37	14.54	24	6.169	-51.73	14.83	25	7.882	-52.69	14.39
26	9.382	40.97	15.30	28	8.381	-8.16	15.41	29	8.630	-34.82	13.68
30	11.102	-123.73	11.94	31	11.433	-12.28	14.89	32	11.575	20.71	15.37
33	4.702	-9.95	14.95	34	3.646	6.94	15.04	35	2.387	-59.94	14.51
36	14.623	-67.02	13.49	37	6.847	-143.40	9.13	38	6.817	-98.83	9.88
39	5.905	-81.31	9.97	40	6.840	-72.87	10.16	41	6.342	-40.51	9.39
42	4.594	-27.62	10.09	43	6.724	-120.60	7.51	44	6.201	-105.31	7.71
45	8.391	-55.98	8.99	46	15.238	-90.50	9.51	47	14.110	-62.39	10.93
48	13.800	-58.70	11.02	49	19.325	-33.14	13.38	50	4.828	-166.25	10.23
51	4.736	-152.53	11.21	52	6.255	-118.97	7.09	53	14.291	-81.44	10.46
54	14.287	-27.05	10.10	55	14.745	-21.40	9.89	56	14.654	-27.30	9.83
57	14.107	-15.24	9.81	58	14.234	-21.44	9.85	59	13.522	-16.33	13.60
60	24.687	-100.89	9.78	61	21.605	-85.15	10.39	62	38.227	-97.90	12.67
63	12.724	-52.27	14.41	64	14.533	-112.30	10.00	65	15.423	-42.70	11.83
66	15.953	10.89	13.44	67	16.707	-31.42	10.63	68	14.646	-74.35	10.58
69	11.536	-46.16	10.32	70	73.908	-51.19	13.98	71	76.044	-55.37	13.92
72	45.465	-18.00	14.49	73	49.523	-31.42	14.22	74	16.223	-23.73	11.08
75	18.556	2.98	11.22	76	15.730	-2.09	10.14	77	18.944	-30.49	9.84
78	24.010	9.72	11.62	80	12.764	-0.83	13.60	81	7.028	-53.18	12.54
82	9.220	0.03	14.02	83	7.085	-10.49	13.82	84	8.368	-11.56	13.19
86	9.880	-3.33	14.74	88	13.344	20.29	14.98	89	9.960	-81.79	13.64
90	7.186	-97.87	13.67	91	16.826	5.50	15.32	92	45.126	-6.93	15.07
93	22.988	-38.50	14.41	94	19.053	-53.26	14.27	95	33.231	11.27	15.25
98	10.453	-98.51	15.18	107	15.105	1.27	15.57	115	33.027	-40.31	15.26
116	26.091	-5.22	15.49	117	25.960	23.17	15.56	125	2.666	95.91	15.47
139	3.819	-120.21	13.74	140	5.704	-0.48	3.83				

SECTION XII

MULTIPLE CORRELATION AND REGRESSION

The principles involved in the development and use of the regression equations and correlation coefficients which we have already presented easily extend to cover the case where the 'predictor variable' is a linear combination of two or more variables.

If, for example, an equation to estimate each woman's bust circumference in terms of her stature and weight is desired, we may derive a regression equation of the form:

$$Z_i' = aX_i + bY_i + c$$

where X_i represents an individual woman's stature, Y_i represents her weight, and a , b , and c are parameters determined so that the resulting estimates Z_i' are, as a group, the most accurate estimates of bust circumference which can be obtained from a linear combination of stature and weight. Just as the simple correlation coefficient was defined in terms of the relative accuracy of the simple regression equation, so the multiple correlation (R)* of bust circumference in terms of stature and weight is defined in terms of the accuracy of the estimates obtained from this equation relative to the standard deviation of the bust circumference. The absolute accuracy of these estimates is usually expressed, as in the case of the simple regression equation, as the standard error of estimate.

The multiple correlations, whether based on two or a considerably larger number of predictor variables, are calculated directly from the simple correlation coefficients without additional recourse to the original data. The multiple regression equations are computed from the simple correlation coefficients plus the means and standard deviations. Ordinarily no sign is attached to the multiple correlation coefficient; thus, the theoretical range of values for R is from zero to one. The multiple correlation coefficient is of necessity at least as large as the largest of the simple correlations between the individual predictors and the predicted variable, although the difference often is trivial.

Appropriate formulas are given and discussed in appendix III. A table (table XLVIII) is given there for estimating multiple correlations based on two predictors from the appropriate simple correlation coefficients.

The number of multiple regression equations and correlation coefficients that can be calculated for a set of data such as the present one—roughly a million two-predictor equations, forty million three-predictor equations, and so forth—is so great as to preclude listing more than a select few. These few consist of a group of equations based on selected pairs of predictors (table XXVII) and two sets of equations in which the predictors (up to eight in each case) were chosen in a step-wise fashion as the best sets of predictors for the particular variable (tables XXVIII and XXIX).

Two Predictor Multiple Regression Equations: Table XXVII

This table consists of several sets of equations and coefficients based on two-variable predictor combinations. Equations for all measured variables are presented for a number of combinations of 'major' measurements such as stature and weight, stature and bust circumference, and the like. Equations for all head and face measurements in terms of certain combinations of head and face measurements are also given.

*Conventionally r represents a simple correlation, R a multiple one. In computer-produced tables, it is not always possible to maintain this distinction.

In this table, the contents of lines, excepting those involving weight, are similar to the following (line 40, page 459):

41 WAIST CIRCUMFERENCE .800 0.073X + 0.745Y - 11.48/ 3.29 (-4.52/ 1.29)

and contain, in sequence,

- I. the Visual Index number of the variable being estimated: 41.
- II. the name of the variable: waist circumference.
- III. the multiple correlation for this variable in terms of the two variables listed at the top of this section of the table, stature and bust circumference: 0.800.
- IV. the regression equation in metric units:

$$0.073X + 0.745Y - 11.48$$
- V. the standard error in metric units: 3.29
- VI. two values in parentheses which can be used to translate the equation into English units: (-4.52/1.29). The first of these values is the English constant term; the second is the converted standard error.

The regression equation in this instance is expressed in metric units; thus:

Waist circumference = 0.073 stature + 0.745 bust circumference - 11.48 cm.

The standard error of estimate for this equation is 3.29 cm.

The conversion of these equations from metric to English units requires only a change of the constant term when the three variables involved are linear, as in this case. Thus, the equation just written out may also be written as:

Waist circumference = 0.073 stature + 0.745 bust circumference - 4.52 in.

The standard error of estimate is 1.29 in.

The conversion is a trifle more involved when weight is one of the variables and the equations are presented somewhat differently when that is the case.

When weight is one of the predictor variables, both the coefficient of weight and the constant term must be converted; the converted values are given in parenthesis. Thus, for example, line 39 on page 456 reads:

41 WAIST CIRCUMFERENCE .846 -0.204X+ 0.688Y+ 60.60/ 2.92 (+ 0.123Y+ 23.84)

and provides the equivalent equations:

Waist Circumference = -0.204 stature + 0.688 weight + 60.60 (cm & kg)

and

Waist Circumference = -0.204 stature + 0.123 weight + 23.84 (in & lb)

The standard error is given in the table as 2.92 cm. There is not space in the table as it is organized to also list the standard error in inches but it can be obtained by multiplying the metric one by 0.3937.

When weight is the predicted variable, all three constants must be modified to convert from metric to English units. In this case, the entire converted equation is included in parentheses on the following line of the table. Thus, lines 2 and 3, page 459, read:

2 WEIGHT	.868	0.439X + 0.935Y - 97.39/ 3.73
(WEIGHT IN LB/IN		2.456X + 5.234Y - 214.51/ 8.22)

and can be interpreted either as:

Weight (kg) = 0.439 stature (cm) + 0.935 bust circumference (cm) - 97.39

or:

Weight (lb) = 2.456 stature (in) + 5.234 bust circumference (in) - 214.51

TABLE XXVII
MULTIPLE CORRELATION COEFFICIENTS AND REGRESSION EQUATIONS BASED ON
STATURE AND WEIGHT

	MULT CORR	-- -- -- EQUATIONS -- -- --			S.E. EST.	ENGLISH UNITS	
		A	B	C		B	C
1 AGE	.238	-0.106X+	0.237Y+	26.94/	6.27	(+ 0.042Y+	10.65)
3 TRICEPS SKINFOLD	.662	-0.031X+	0.056Y+	3.70/	0.41	(+ 0.010Y+	1.46)
4 SUBSCAPULAR SKINFOLD	.663	-0.033X+	0.051Y+	3.69/	0.36	(+ 0.009Y+	1.47)
5 SUPRAILIAC SKINFOLD	.634	-0.035X+	0.069Y+	3.67/	0.54	(+ 0.012Y+	1.48)
6 MEDIAL CALF SKINFOLD	.417	-0.021X+	0.034Y+	3.04/	0.47	(+ 0.006Y+	1.21)
8 STATURE, MAXIMUM	.998	1.000X+	0.002Y+	0.53/	0.38	(+ 0. Y+	0.25)
9 CERVICAL HEIGHT	.977	0.884X+	0.021Y-	5.31/	1.17	(+ 0.004Y-	2.12)
10 ACROMIAL HEIGHT	.960	0.847X+	0.042Y-	7.86/	1.53	(+ 0.008Y-	3.16)
11 SUPRASTERNAL HEIGHT	.974	0.836X+	0.034Y-	5.48/	1.21	(+ 0.006Y-	2.15)
12 BUST POINT HEIGHT	.928	0.828X-	0.035Y-	13.88/	1.95	(- 0.006Y-	5.50)
13 WAIST HEIGHT	.914	0.679X+	0.008Y-	10.25/	1.83	(+ 0.001Y-	3.98)
14 ABDOMINAL EXT HGT	.899	0.686X-	0.038Y-	15.86/	1.94	(- 0.007Y-	6.22)
15 TROCHANTERIC HEIGHT	.852	0.602X+	0.005Y-	15.20/	2.23	(+ 0.001Y-	6.00)
16 BUTTOCK HEIGHT	.848	0.579X+	0.013Y-	12.39/	2.21	(+ 0.002Y-	4.84)
17 GLUTEAL FURROW HGT	.830	0.581X-	0.054Y-	18.37/	2.21	(- 0.010Y-	7.19)
18 TIBIAL HEIGHT	.787	0.315X-	0.005Y-	8.79/	1.47	(- 0.001Y-	3.45)
19 CROTCH HEIGHT	.849	0.581X-	0.016Y-	18.75/	2.13	(- 0.003Y-	7.37)
20 ANKLE HEIGHT	.306	0.070X-	0.001Y-	0.10/	1.29	(- 0. Y-	0.06)
21 LAT'L MALLEOLUS HT	.426	0.040X+	0.002Y+	0.17/	0.53	(+ 0. Y+	0.11)
22 SITTING HT, RELAXED	.783	0.410X+	0.021Y+	16.60/	2.02	(+ 0.004Y+	6.51)
23 SITTING HEIGHT	.803	0.401X+	0.032Y+	18.75/	1.89	(+ 0.006Y+	7.35)
24 EYE HEIGHT, SITTING	.740	0.355X+	0.031Y+	14.37/	2.06	(+ 0.006Y+	5.60)
25 MIDSHOULDER HT, SIT	.729	0.279X+	0.057Y+	9.48/	1.82	(+ 0.010Y+	3.76)
26 WAIST HGT, SITTING	.452	0.080X+	0.055Y+	7.23/	1.55	(+ 0.010Y+	2.82)
27 ELBOW REST HEIGHT	.213	0.068X+	0.024Y+	10.30/	2.41	(+ 0.004Y+	4.09)
28 POPLITEAL HEIGHT	.728	0.229X-	0.006Y+	4.27/	1.28	(- 0.001Y+	1.67)
29 BUTTOCK-POPLIT'L L	.702	0.226X+	0.111Y+	4.67/	1.97	(+ 0.020Y+	1.82)
30 BUTTOCK-KNEE LENGTH	.839	0.244X+	0.139Y+	9.86/	1.43	(+ 0.025Y+	3.86)
31 ACROMION-RADIAL L	.728	0.185X+	0.017Y+	0.04/	1.12	(+ 0.003Y+	0.02)
32 RADIAL-STYLION L	.666	0.148X+	0.005Y-	0.89/	1.02	(+ 0.001Y-	0.37)
33 THUMB-TIP REACH	.655	0.375X+	0.064Y+	9.65/	2.93	(+ 0.011Y+	3.85)
34 THUMB-TIP, EXTENDED	.622	0.439X+	0.087Y+	7.65/	3.82	(+ 0.016Y+	2.95)
35 OVERHEAD REACH	.853	1.181X+	0.050Y+	4.90/	4.47	(+ 0.009Y+	1.92)
36 NECK CIRCUMFERENCE	.582	0.003X+	0.128Y+	25.88/	1.36	(+ 0.023Y+	10.17)
37 SHOULDER CIRCUMFERENCE	.845	-0.133X+	0.628Y+	85.76/	2.75	(+ 0.112Y+	33.78)
38 CHEST CIRC AT SCYE	.819	-0.157X+	0.597Y+	75.27/	2.85	(+ 0.107Y+	29.59)
39 BUST CIRCUMFERENCE	.824	-0.224X+	0.702Y+	85.56/	3.23	(+ 0.125Y+	33.73)
40 CHEST C BELOW BUST	.806	-0.150X+	0.576Y+	65.43/	2.88	(+ 0.103Y+	25.74)
41 WAIST CIRCUMFERENCE	.846	-0.204X+	0.688Y+	60.60/	2.92	(+ 0.123Y+	23.84)
42 ABDOMINAL EXT CIRC	.821	-0.301X+	0.857Y+	82.71/	4.15	(+ 0.160Y+	32.59)
43 HIP C-7" BLW WAIST	.903	-0.156X+	0.729Y+	76.89/	2.40	(+ 0.130Y+	30.29)
44 HIP C-9" BLW WAIST	.895	-0.156X+	0.775Y+	75.87/	2.68	(+ 0.138Y+	29.92)
45 UPPER THIGH CIRCUM	.867	-0.178X+	0.548Y+	52.73/	2.10	(+ 0.098Y+	20.74)

TABLE XXVII
MULTIPLE CORRELATION COEFFICIENTS AND REGRESSION EQUATIONS BASED ON
STATURE AND WEIGHT

	MULT CORR	- - - EQUATIONS - - -			S.E. EST.	ENGLISH UNITS	
		A	B	C		B	C
46 KNEE CIRCUMFERENCE	.822	-0.026X+	0.253Y+	25.64/	1.29	(+ 0.046Y+	10.10)
47 CALF CIRCUM, RIGHT	.763	-0.055X+	0.248Y+	28.76/	1.45	(+ 0.044Y+	11.36)
48 CALF CIRCUM, LEFT	.756	-0.052X+	0.249Y+	28.30/	1.49	(+ 0.044Y+	11.20)
49 ANKLE CIRCUMFERENCE	.593	0.012X+	0.056Y+	13.60/	1.04	(+ 0.017Y+	5.37)
50 VERTICAL TRUNK CIR	.822	0.319X+	0.584Y+	69.04/	3.92	(+ 0.104Y+	27.22)
51 VERTICAL TRK C, SIT	.811	0.436X+	0.457Y+	53.04/	3.84	(+ 0.082Y+	20.83)
52 BUTTOCK CIRC, SIT	.912	-0.143X+	0.753Y+	77.45/	2.50	(+ 0.142Y+	30.44)
53 SCYE CIRCUMFERENCE	.778	-0.026X+	0.247Y+	27.07/	1.44	(+ 0.044Y+	10.67)
54 AXILLARY ARM CIRC	.850	-0.140X+	0.307Y+	32.43/	1.23	(+ 0.055Y+	12.75)
55 BICEPS C, RELAXED, R	.871	-0.153X+	0.310Y+	32.54/	1.13	(+ 0.055Y+	12.86)
56 BICEPS C, FLEXED, R	.865	-0.143X+	0.309Y+	32.16/	1.16	(+ 0.055Y+	12.68)
57 BICEPS C, RELAXED, L	.978	-0.164X+	0.328Y+	33.33/	1.15	(+ 0.059Y+	13.07)
58 BICEPS C, FLEXED, L	.867	-0.151X+	0.319Y+	32.62/	1.19	(+ 0.057Y+	12.84)
59 ELBOW CIRC, FLEXED	.586	0.044X+	0.117Y+	13.10/	1.44	(+ 0.021Y+	5.14)
60 FOREARM C, RELAXED	.820	-0.039X+	0.165Y+	20.28/	0.79	(+ 0.029Y+	8.04)
61 FOREARM C, FLEXED	.790	-0.038X+	0.174Y+	21.10/	0.93	(+ 0.031Y+	8.32)
62 WRIST CIRCUMFERENCE	.658	0.018X+	0.053Y+	8.99/	0.54	(+ 0.010Y+	3.47)
63 BIACROMIAL BREADTH	.545	0.073X+	0.077Y+	19.57/	1.37	(+ 0.014Y+	7.67)
64 BIDELOID BREADTH	.811	-0.066X+	0.274Y+	36.77/	1.35	(+ 0.049Y+	14.47)
65 CHEST BREADTH	.710	-0.042X+	0.197Y+	23.44/	1.35	(+ 0.035Y+	9.25)
66 BUST PT-BUST PT BR	.598	-0.036X+	0.136Y+	16.53/	1.24	(+ 0.024Y+	6.54)
67 WAIST BREADTH	.773	-0.036X+	0.213Y+	17.68/	1.23	(+ 0.038Y+	6.97)
68 HIP BREADTH	.774	-0.032X+	0.241Y+	26.26/	1.40	(+ 0.043Y+	10.34)
69 THIGH-THIGH BR, SIT	.811	-0.118X+	0.348Y+	37.25/	1.67	(+ 0.062Y+	14.68)
70 HUMERAL BREADTH, R	.588	0.014X+	0.016Y+	2.94/	0.25	(+ 0.003Y+	1.14)
71 HUMERAL BREADTH, L	.594	0.014X+	0.016Y+	2.91/	0.24	(+ 0.003Y+	1.13)
72 FEMORAL BREADTH, R	.496	0.008X+	0.026Y+	5.32/	0.39	(+ 0.005Y+	2.05)
73 FEMORAL BREADTH, L	.522	0.007X+	0.027Y+	5.45/	0.37	(+ 0.005Y+	2.12)
74 CHEST DEPTH	.770	-0.076X+	0.224Y+	23.05/	1.23	(+ 0.040Y+	9.07)
75 WAIST DEPTH	.773	-0.078X+	0.197Y+	18.30/	1.06	(+ 0.035Y+	7.23)
76 ABDOMINAL EXT DPTH	.830	-0.105X+	0.268Y+	22.46/	1.18	(+ 0.048Y+	8.82)
77 BUTTOCK DEPTH	.836	-0.079X+	0.225Y+	20.98/	0.98	(+ 0.040Y+	8.28)
78 THIGH CLEARANCE	.716	0.015X+	0.113Y+	3.49/	0.87	(+ 0.020Y+	1.40)
79 SHOULDER LENGTH	.377	0.052X+	0.015Y+	5.37/	0.95	(+ 0.003Y+	2.07)
80 NECK-BUST POINT L	.574	-0.018X+	0.151Y+	19.71/	1.55	(+ 0.027Y+	7.75)
81 STRAP LENGTH	.655	-0.023X+	0.352Y+	48.65/	2.96	(+ 0.063Y+	19.14)
82 INTERSCYE	.546	-0.055X+	0.197Y+	32.61/	2.04	(+ 0.035Y+	12.86)
83 INTERSCYE, MAXIMUM	.557	0.044X+	0.223Y+	29.40/	2.73	(+ 0.040Y+	11.55)
84 BACK CURVATURE	.615	-0.062X+	0.273Y+	36.45/	2.41	(+ 0.049Y+	14.32)
85 WAIST BACK	.586	0.220X-	0.006Y+	5.19/	1.80	(- 0.001Y+	2.04)
86 ANTERIOR WAIST LTH	.523	0.097X+	0.078Y+	13.36/	1.67	(+ 0.014Y+	5.25)
87 SLEEVE INSEAM	.715	0.311X-	0.040Y-	3.98/	1.69	(- 0.007Y-	1.59)
88 SPINE-TO-SCYE LGTH	.431	0.010X+	0.074Y+	14.48/	1.22	(+ 0.013Y+	5.73)
89 SPINE-TO-ELBOW LTH	.722	0.211X+	0.093Y+	13.75/	1.66	(+ 0.017Y+	5.36)
90 SPINE-TO-WRIST LTH	.782	0.352X+	0.100Y+	16.76/	2.07	(+ 0.018Y+	6.58)

TABLE XXVII
MULTIPLE CORRELATION COEFFICIENTS AND REGRESSION EQUATIONS BASED ON
STATURE AND WEIGHT

	MULT CORR	- - - EQUATIONS - - -			S.E. EST.	ENGLISH UNITS	
		A	B	C		B	C
91 HAND LENGTH	.606	0.089X+	0.011Y+	3.32/	0.76	(+ 0.002Y+	1.30)
92 HAND BREADTH	.457	0.014X+	0.015Y+	4.36/	0.35	(+ 0.003Y+	1.70)
93 HAND CIRCUMFERENCE	.509	0.021X+	0.051Y+	11.97/	0.78	(+ 0.009Y+	4.73)
94 FOOT LENGTH	.712	0.110X+	0.030Y+	4.51/	0.79	(+ 0.005Y+	1.82)
95 FOOT BREADTH	.429	0.017X+	0.019Y+	5.02/	0.45	(+ 0.003Y+	2.02)
96 HEAD LENGTH	.356	0.025X+	0.017Y+	13.38/	0.63	(+ 0.003Y+	5.27)
97 HEAD BREADTH	.290	-0.003X+	0.024Y+	13.62/	0.57	(+ 0.004Y+	5.40)
98 HEAD CIRCUMFERENCE	.426	0.044X+	0.068Y+	43.81/	1.47	(+ 0.012Y+	17.27)
99 TRAGION-TOP HEAD	.267	0.022X+	0.013Y+	8.41/	0.74	(+ 0.002Y+	3.35)
100 ECTOCANTHUS-TOP HD	.241	0.031X+	0.007Y+	6.34/	0.89	(+ 0.001Y+	2.53)
101 PRONASALE-TOP HEAD	.241	0.044X+	0.004Y+	7.40/	1.14	(+ 0.001Y+	2.88)
102 SUBNASALE-TOP HEAD	.289	0.048X+	0.006Y+	7.79/	1.05	(+ 0.001Y+	3.07)
103 STOMION-TOP HEAD	.296	0.051X+	0.006Y+	9.21/	1.07	(+ 0.001Y+	3.64)
104 MENTON-TOP HEAD	.372	0.057X+	0.017Y+	11.69/	1.06	(+ 0.003Y+	4.61)
105 TRAGION TO WALL	.220	0.014X+	0.018Y+	6.87/	0.88	(+ 0.003Y+	2.73)
106 ECTOCANTHUS-WALL	.308	0.019X+	0.029Y+	11.61/	0.92	(+ 0.005Y+	4.59)
107 PRONASALE TO WALL	.363	0.021X+	0.035Y+	15.77/	0.90	(+ 0.006Y+	6.24)
108 SUBNASALE TO WALL	.320	0.015X+	0.034Y+	15.27/	0.93	(+ 0.006Y+	6.02)
109 LIP PROTRUSION-WALL	.271	0.005X+	0.036Y+	16.41/	1.02	(+ 0.006Y+	6.52)
110 MENTON TO WALL	.310	-0.014X+	0.052Y+	17.50/	1.08	(+ 0.009Y+	6.93)
111 SAGITTAL CURVATURE	.298	0.053X+	0.024Y+	24.81/	1.42	(+ 0.004Y+	9.80)
112 BITRAGION-CORONAL	.318	0.027X+	0.045Y+	26.95/	1.33	(+ 0.008Y+	10.62)
113 BIOCULAR BREADTH	.247	0.008X+	0.012Y+	7.68/	0.48	(+ 0.002Y+	3.04)
114 BIAURICULAR BRDTH	.220	0.008X+	0.024Y+	13.15/	0.93	(+ 0.004Y+	5.21)
115 BITRAGION BREADTH	.393	0.002X+	0.025Y+	11.12/	0.46	(+ 0.004Y+	4.44)
116 BIZYGOMATIC BRDTH	.358	0.001X+	0.027Y+	11.18/	0.54	(+ 0.005Y+	4.38)
117 BIGONIAL BREADTH	.350	-0.006X+	0.028Y+	9.54/	0.53	(+ 0.005Y+	3.76)
118 NASAL BREADTH	.103	-0.002X+	0.005Y+	3.23/	0.33	(+ 0.001Y+	1.26)
119 LIP LENGTH	.085	0.002X+	0.004Y+	3.82/	0.42	(+ 0.001Y+	1.47)
120 MENTON-SUBNASALE L	.226	0.008X+	0.011Y+	3.61/	0.50	(+ 0.002Y+	1.42)
121 MENTON-SELLION LTH	.304	0.018X+	0.014Y+	6.90/	0.58	(+ 0.002Y+	2.78)
122 SUBNASALE-SELLION	.198	0.009X+	0.005Y+	2.80/	0.40	(+ 0.001Y+	1.09)
123 EAR LENGTH	.282	0.003X+	0.015Y+	3.89/	0.43	(+ 0.003Y+	1.49)
124 EAR BREADTH	.144	0.002X+	0.005Y+	2.37/	0.33	(+ 0.001Y+	0.92)

TABLE XXVII
MULTIPLE CORRELATION COEFFICIENTS AND REGRESSION EQUATIONS BASED ON
STATURE AND BUST CIRCUMFERENCE

	MULT CORR	- - - EQUATIONS - - -			STD ERR EST	ENGLISH C	UNITS S.E.
		A	B	C			
1 AGE	.289	-0.030X +	0.333Y -	1.59/	6.18 (	-0.63/	2.43)
2 WEIGHT	.868	0.439X +	0.935Y -	97.39/	3.73		
(WEIGHT IN LB/IN		2.456X +	5.234Y -	214.51/	8.22)		
3 TRICEPS SKINFOLD	.529	-0.006X +	0.052Y -	1.79/	0.46 (	-0.70/	0.18)
4 SUBSCAPULAR SKINFOLD	.648	-0.013X +	0.057Y -	1.72/	0.37 (	-0.68/	0.15)
5 SUPRAILIAC SKINFOLD	.603	-0.007X +	0.076Y -	3.71/	0.56 (	-1.46/	0.22)
6 MEDIAL CALF SKINFOLD	.266	-0.005X +	0.025Y +	0.16/	0.50 (	0.06/	0.20)
8 STATURE, MAXIMUM	.998	1.001X +	0.001Y +	0.39/	0.38 (	0.15/	0.15)
9 CERVICAL HEIGHT	.977	0.895X +	0.013Y -	7.05/	1.17 (	-2.78/	0.46)
10 ACROMIAL HEIGHT	.960	0.864X +	0.046Y -	12.32/	1.53 (	-4.85/	0.60)
11 SUPRASTERNAL HEIGHT	.973	0.852X +	0.029Y -	8.71/	1.22 (	-3.43/	0.48)
12 BUST POINT HEIGHT	.928	0.818X -	0.054Y -	9.44/	1.94 (	-3.72/	0.76)
13 WAIST HEIGHT	.914	0.684X +	0.003Y -	10.87/	1.83 (	-4.28/	0.72)
14 ABDOMINAL EXT HGT	.898	0.671X -	0.042Y -	11.85/	1.94 (	-4.67/	0.76)
15 TROCHANTERIC HEIGHT	.852	0.607X -	0.006Y -	15.19/	2.23 (	-5.98/	0.88)
16 BUTTOCK HEIGHT	.848	0.584X +	0.016Y -	13.89/	2.21 (	-5.47/	0.87)
17 GLUTEAL FURROW HGT	.827	0.553X -	0.037Y -	13.62/	2.23 (	-5.36/	0.88)
18 TIBIAL HEIGHT	.787	0.312X -	0.002Y -	8.41/	1.47 (	-3.31/	0.58)
19 CROTCH HEIGHT	.850	0.575X -	0.021Y -	16.82/	2.13 (	-6.62/	0.84)
20 ANKLE HEIGHT	.307	0.067X +	0.007Y -	0.30/	1.29 (	-0.12/	0.51)
21 LAT'L MALLEOLUS HT	.426	0.041X +	0.002Y -	0.05/	0.53 (	-0.02/	0.21)
22 SITTING HT, RELAXED	.783	0.420X +	0.015Y +	14.85/	2.02 (	5.85/	0.80)
23 SITTING HEIGHT	.801	0.418X +	0.020Y +	16.05/	1.90 (	6.32/	0.75)
24 EYE HEIGHT, SITTING	.738	0.370X +	0.022Y +	11.75/	2.06 (	4.63/	0.81)
25 MIDSHOULDER HT, SIT	.723	0.305X +	0.049Y +	4.16/	1.84 (	1.64/	0.72)
26 WAIST HEIGHT, SITTING	.435	0.104X +	0.050Y +	2.02/	1.56 (	0.80/	0.61)
27 ELBOW REST HEIGHT	.205	0.081X +	0.010Y +	8.68/	2.41 (	3.42/	0.95)
28 POPLITEAL HEIGHT	.728	0.227X -	0.005Y +	4.70/	1.28 (	1.85/	0.50)
29 BUTTOCK-POPLIT'L L	.678	0.278X +	0.092Y -	5.61/	2.03 (	-2.21/	0.80)
30 BUTTOCK-KNEE LENGTH	.804	0.310X +	0.113Y -	2.96/	1.57 (	-1.17/	0.62)
31 ACROMION-RADIAL L	.730	0.190X +	0.025Y -	2.04/	1.11 (	-0.80/	0.44)
32 RADIAL-STYLION L	.666	0.151X +	0.003Y -	1.36/	1.02 (	-0.54/	0.40)
33 THUMB-TIP REACH	.653	0.401X +	0.067Y +	3.12/	2.94 (	1.23/	1.16)
34 THUMB-TIP, EXTENDED	.618	0.478X +	0.077Y -	0.56/	3.84 (	-0.22/	1.51)
35 OVERHEAD REACH	.852	1.205X +	0.038Y +	0.48/	4.48 (	0.19/	1.76)
36 NECK CIRCUMFERENCE	.541	0.057X +	0.133Y +	12.58/	1.41 (	4.95/	0.56)
37 SHOULDER CIRCUMFERENCE	.820	0.115X +	0.699Y +	19.05/	2.94 (	7.50/	1.16)
38 CHEST CIRC AT SCYE	.891	0.056X +	0.758Y +	7.16/	2.25 (	2.82/	0.89)
40 CHEST C BELOW BUST	.836	0.065X +	0.693Y +	1.61/	2.67 (	0.63/	1.05)
41 WAIST CIRCUMFERENCE	.800	0.073X +	0.745Y -	11.48/	3.29 (	-4.52/	1.29)
42 ABDOMINAL EXT CIRC	.739	0.073X +	0.921Y -	8.83/	4.91 (	-3.47/	1.93)
43 HIP C-7" BLW WAIST	.743	0.169X +	0.662Y +	6.84/	3.74 (	2.69/	1.47)
44 HIP C-9" BLW WAIST	.702	0.201X +	0.657Y +	3.74/	4.29 (	1.47/	1.69)
45 UPPER THIGH CIRCUMFERENCE	.650	0.076X +	0.454Y +	2.42/	3.21 (	0.95/	1.26)

TABLE XXVII
MULTIPLE CORRELATION COEFFICIENTS AND REGRESSION EQUATIONS BASED ON
STATURE AND BUST CIRCUMFERENCE

	MULT CORR	-- -- -- EQUATIONS -- -- --			STD ERR EST	ENGLISH UNITS	
		A	B	C		C	S.E.
46 KNEE CIRCUMFERENCE	.612	0.098X +	0.195Y +	2.92/	1.79 (	1.15/	0.71)
47 CALF CIRCUM, RIGHT	.520	0.068X +	0.174Y +	7.51/	1.92 (	2.96/	0.76)
48 CALF CIRCUM, LEFT	.511	0.072X +	0.171Y +	7.22/	1.96 (	2.84/	0.77)
49 ANKLE CIRCUMFERENCE	.438	0.061X +	0.060Y +	5.81/	1.16 (	2.29/	0.46)
50 VERTICAL TRUNK CIR	.783	0.562X +	0.599Y +	9.58/	4.27 (	3.77/	1.68)
51 VERTICAL TRK C, SIT	.793	0.622X +	0.487Y +	5.54/	4.00 (	2.18/	1.57)
52 BUTTOCK CIRC, SIT	.747	0.213X +	0.711Y +	1.67/	4.05 (	0.66/	1.59)
53 SCYE CIRCUMFERENCE	.739	0.074X +	0.267Y +	1.15/	1.54 (	0.45/	0.61)
54 AXILLARY ARM CIRC	.777	-0.015X +	0.323Y +	0.89/	1.47 (	0.35/	0.58)
55 BICEPS C, RELAXED, R	.731	-0.019X +	0.258Y +	1.95/	1.56 (	0.77/	0.62)
56 BICEPS C, FLEXED, R	.718	-0.009X +	0.294Y +	1.87/	1.61 (	0.74/	0.63)
57 BICEPS C, RELAXED, L	.729	-0.022X +	0.313Y +	1.14/	1.65 (	0.45/	0.65)
58 BICEPS C, FLEXED, L	.728	-0.013X +	0.307Y +	1.10/	1.63 (	0.43/	0.64)
59 ELBOW CIRC, FLEXED	.546	0.094X +	0.116Y +	1.33/	1.49 (	0.52/	0.59)
60 FOREARM C, RELAXED	.676	0.034X +	0.150Y +	4.51/	1.02 (	1.77/	0.40)
61 FOREARM C, FLEXED	.653	0.039X +	0.159Y +	4.39/	1.15 (	1.73/	0.45)
62 WRIST CIRCUMFERENCE	.592	0.042X +	0.049Y +	3.76/	0.57 (	1.48/	0.23)
63 BIACROMIAL BREADTH	.526	0.106X +	0.078Y +	11.66/	1.39 (	4.59/	0.55)
64 BIDELOID BREADTH	.766	0.044X +	0.296Y +	8.18/	1.49 (	3.22/	0.59)
65 CHEST BREADTH	.740	0.031X +	0.238Y +	1.61/	1.29 (	0.64/	0.51)
66 BUST PT-BUST PT BR	.720	0.007X +	0.193Y +	0.08/	1.07 (	0.03/	0.42)
67 WAIST BREADTH	.723	0.051X +	0.226Y -	4.42/	1.34 (	-1.74/	0.53)
68 HIP BREADTH	.591	0.082X +	0.192Y +	4.45/	1.79 (	1.75/	0.70)
69 THIGH-THIGH BR, SIT	.607	0.044X +	0.289Y +	5.13/	2.27 (	2.02/	0.90)
70 HUMERAL BREADTH, R	.557	0.021X +	0.015Y +	1.38/	0.25 (	0.54/	0.10)
71 HUMERAL BREADTH, L	.555	0.021X +	0.014Y +	1.44/	0.25 (	0.57/	0.10)
72 FEMORAL BREADTH, R	.426	0.020X +	0.021Y +	2.99/	0.41 (	1.18/	0.16)
73 FEMORAL BREADTH, L	.443	0.020X +	0.022Y +	2.92/	0.39 (	1.15/	0.15)
74 CHEST DEPTH	.880	0. X +	0.298Y -	3.10/	0.92 (	-1.22/	0.36)
75 WAIST DEPTH	.723	0.002X +	0.211Y -	2.24/	1.16 (	-0.88/	0.45)
76 ABDOMINAL EXT DPTH	.734	0.007X +	0.271Y -	4.56/	1.44 (	-1.80/	0.57)
77 BUTTOCK DEPTH	.664	0.022X +	0.201Y -	0.45/	1.34 (	-0.18/	0.53)
78 THIGH CLEARANCE	.583	0.068X +	0.089Y -	6.57/	1.02 (	-2.59/	0.40)
79 SHOULDER LENGTH	.370	0.060X +	0.010Y +	4.04/	0.95 (	1.59/	0.37)
80 NECK-BUST PCINT L	.650	0.034X +	0.204Y +	1.68/	1.44 (	0.56/	0.57)
81 STRAP LENGTH	.715	0.101X +	0.454Y +	8.11/	2.74 (	3.19/	1.08)
82 INTERSCYE	.576	0.018X +	0.241Y +	10.52/	2.00 (	4.14/	0.79)
83 INTERSCYE, MAXIMUM	.550	0.131X +	0.252Y +	5.54/	2.75 (	2.18/	1.08)
84 BACK CURVATURE	.630	0.041X +	0.324Y +	6.43/	2.37 (	2.53/	0.93)
85 WAIST BACK	.587	0.220X -	0.015Y +	6.19/	1.79 (	2.44/	0.71)
86 ANTERIOR WAIST LTH	.541	0.124X +	0.103Y +	4.24/	1.65 (	1.67/	0.65)
87 SLEEVE INSEAM	.716	0.297X -	0.050Y +	0.47/	1.69 (	0.18/	0.66)
88 SPINE-TO-SCYE LGTH	.450	0.037X +	0.090Y +	6.29/	1.21 (	2.48/	0.48)
89 SPINE-TO-ELBOW LTH	.718	0.248X +	0.101Y +	4.05/	1.68 (	1.60/	0.66)
90 SPINE-TO-WRIST LTH	.778	0.393X +	0.105Y +	6.46/	2.09 (	2.54/	0.82)

TABLE XXVII
MULTIPLE CORRELATION COEFFICIENTS AND REGRESSION EQUATIONS BASED ON
STATURE AND BUST CIRCUMFERENCE

	MULT	- - - EQUATIONS - - -			STD	ENGLISH UNITS	
	CORR	A	B	C	ERR EST	C	S.E.
91 HAND LENGTH	.602	0.094X +	0.007Y +	2.52/	0.77 (	0.99/	0.30)
92 HAND BREADTH	.427	0.021X +	0.014Y +	2.89/	0.35 (	1.14/	0.14)
93 HAND CIRCUMFERENCE	.462	0.044X +	0.047Y +	6.97/	0.80 (	2.74/	0.32)
94 FOOT LENGTH	.699	0.125X +	0.021Y +	1.92/	0.81 (	0.76/	0.32)
95 FOOT BREADTH	.375	0.027X +	0.011Y +	3.50/	0.46 (	1.38/	0.18)
96 HEAD LENGTH	.342	0.032X +	0.016Y +	11.79/	0.64 (	4.64/	0.25)
97 HEAD BREADTH	.266	0.007X +	0.025Y +	11.14/	0.57 (	4.38/	0.23)
98 HEAD CIRCUMFERENCE	.384	0.075X +	0.057Y +	37.59/	1.50 (	14.80/	0.59)
99 TRAGION-TOP HEAD	.258	0.028X +	0.011Y +	7.20/	0.74 (	2.83/	0.29)
100 ECTOCANTHUS-TOP HD	.237	0.035X +	0.004Y +	5.73/	0.89 (	2.26/	0.35)
101 PRONASALE-TOP HEAD	.240	0.047X +	0. Y +	7.14/	1.14 (	2.81/	0.45)
102 SUBNASALE-TOP HEAD	.287	0.052X +	0.002Y +	7.30/	1.05 (	2.88/	0.41)
103 STOMION-TOP HEAD	.294	0.055X +	0.001Y +	8.82/	1.07 (	3.47/	0.42)
104 MENTON-TOP HEAD	.362	0.066X +	0.009Y +	10.40/	1.06 (	4.09/	0.42)
105 TRAGION TO WALL	.216	0.022X +	0.020Y +	4.81/	0.88 (	1.89/	0.35)
106 ECTOCANTHUS-WALL	.287	0.032X +	0.027Y +	8.76/	0.93 (	3.45/	0.37)
107 PRONASALE TO WALL	.343	0.036X +	0.035Y +	12.21/	0.90 (	4.81/	0.36)
108 SUBNASALE TO WALL	.294	0.030X +	0.033Y +	11.84/	0.94 (	4.66/	0.37)
109 LIP PROTRUS'N-WALL	.242	0.020X +	0.034Y +	13.01/	1.03 (	5.12/	0.40)
110 MENTON TO WALL	.289	0.007X +	0.055Y +	12.16/	1.09 (	4.79/	0.43)
111 SAGITTAL CURVATURE	.291	0.064X +	0.023Y +	22.35/	1.42 (	8.80/	0.56)
112 BITRAGION-CORONAL	.289	0.047X +	0.040Y +	22.71/	1.34 (	8.94/	0.53)
113 BIOCULAR BREADTH	.220	0.013X +	0.010Y +	6.67/	0.48 (	2.63/	0.19)
114 BIAURICULAR BRDTH	.196	0.019X +	0.021Y +	10.87/	0.93 (	4.28/	0.37)
115 BITRAGION BREADTH	.345	0.013X +	0.024Y +	8.63/	0.47 (	3.40/	0.18)
116 BIZYGOMATIC BRDTH	.304	0.013X +	0.024Y +	8.64/	0.55 (	3.40/	0.22)
117 BIGONIAL BREADTH	.313	0.006X +	0.028Y +	6.70/	0.53 (	2.64/	0.21)
118 NASAL BREADTH	.069	0.001X +	0.004Y +	2.67/	0.33 (	1.05/	0.13)
119 LIP LENGTH	.078	0.003X +	0.004Y +	3.53/	0.42 (	1.39/	0.17)
120 MENTON-SUBNASALE L	.200	0.014X +	0.008Y +	2.55/	0.50 (	1.01/	0.20)
121 MENTON-SELLION LTH	.289	0.024X +	0.012Y +	5.66/	0.59 (	2.23/	0.23)
122 SUBNASALE-SELLION	.198	0.011X +	0.006Y +	2.23/	0.40 (	0.88/	0.16)
123 EAR LENGTH	.288	0.008X +	0.018Y +	2.32/	0.43 (	0.92/	0.17)
124 EAR BREADTH	.135	0.004X +	0.005Y +	1.88/	0.33 (	0.74/	0.13)

TABLE XXVII
MULTIPLE CORRELATION COEFFICIENTS AND REGRESSION EQUATIONS BASED ON
STATURE AND WAIST CIRCUMFERENCE

	MULT CORR	- - - EQUATIONS - - -			STD ERR EST	ENGLISH UNITS C S.E.	
		A	B	C			
1 AGE	.235	-0.020X +	0.282Y +	7.72/	6.27 (	3.04/	2.47)
2 WEIGHT	.883	0.411X +	1.006Y -	76.57/	3.53		
(WEIGHT IN LB/IN		2.301X +	5.631Y -	168.71/	7.79)		
3 TRICEPS SKINFOLD	.548	-0.008X +	0.056Y -	0.56/	0.46 (	-0.22/	0.18)
4 SUBSCAPULAR SKINFOLD	.671	-0.015X +	0.062Y -	0.45/	0.36 (	-0.18/	0.14)
5 SUPRAILIAC SKINFOLD	.646	-0.010X +	0.085Y -	2.12/	0.54 (	-0.83/	0.21)
6 MEDIAL CALF SKINFOLD	.297	-0.006X +	0.029Y +	0.62/	0.49 (	0.24/	0.19)
8 STATURE, MAXIMUM	.998	1.001X -	0.001Y +	0.55/	0.38 (	0.22/	0.15)
9 CERVICALE HEIGHT	.977	0.893X +	0.022Y -	7.04/	1.17 (	-2.77/	0.46)
10 ACROMIAL HEIGHT	.960	0.862X +	0.050Y -	11.23/	1.53 (	-4.42/	0.60)
11 SUPRASTERNALE HGHT	.973	0.852X +	0.028Y -	7.99/	1.22 (	-3.15/	0.48)
12 BUST POINT HEIGHT	.928	0.816X -	0.044Y -	11.00/	1.95 (	-4.33/	0.77)
13 WAIST HEIGHT	.914	0.688X -	0.015Y -	10.24/	1.83 (	-4.03/	0.72)
14 ABDOMINAL EXT HGT	.899	0.674X -	0.050Y -	12.75/	1.94 (	-5.02/	0.76)
15 TROCHANTERIC HGHT	.852	0.602X +	0.015Y -	15.92/	2.23 (	-6.27/	0.88)
16 BUTTOCK HEIGHT	.848	0.580X +	0.032Y -	13.96/	2.20 (	-5.50/	0.87)
17 GLUTEAL FURROW HGT	.826	0.553X -	0.032Y -	14.79/	2.23 (	-5.82/	0.88)
18 TIBIALE HEIGHT	.787	0.313X -	0.007Y -	8.29/	1.47 (	-3.26/	0.58)
19 CROTCH HEIGHT	.849	0.573X -	0.013Y -	17.51/	2.13 (	-6.89/	0.84)
20 ANKLE HEIGHT	.308	0.067X +	0.009Y -	0.28/	1.29 (	-0.11/	0.51)
21 LAT'L MALLEOLUS HT	.426	0.042X +	0. Y -	0.03/	0.53 (	-0.01/	0.21)
22 SITTING HT, RELAXED	.782	0.425X -	0.004Y +	15.65/	2.02 (	6.16/	0.80)
23 SITTING HEIGHT	.801	0.420X +	0.008Y +	16.98/	1.90 (	6.68/	0.75)
24 EYE HEIGHT, SITTING	.737	0.376X -	0.001Y +	12.82/	2.07 (	5.05/	0.81)
25 MIDSHOULDER HT, SIT	.723	0.304X +	0.051Y +	5.29/	1.84 (	2.08/	0.72)
26 WAIST HGHT, SITTING	.414	0.109X +	0.030Y +	3.68/	1.58 (	1.45/	0.62)
27 ELBOW REST HEIGHT	.204	0.082X +	0.004Y +	9.14/	2.41 (	3.60/	0.95)
28 POPLITEAL HEIGHT	.728	0.227X -	0.006Y +	4.65/	1.28 (	1.83/	0.50)
29 BUTTOCK-POPLIT'L L	.688	0.271X +	0.113Y -	3.81/	2.00 (	-1.50/	0.79)
30 BUTTOCK-KNEE LNTH	.815	0.303X +	0.135Y -	0.76/	1.53 (	-0.30/	0.60)
31 ACROMION-RADIALE L	.729	0.190X +	0.025Y -	1.47/	1.11 (	-0.58/	0.44)
32 RADIALE-STYLION L	.666	0.150X +	0.007Y -	1.40/	1.02 (	-0.55/	0.40)
33 THUMB-TIP REACH	.657	0.395X +	0.086Y +	4.32/	2.92 (	1.70/	1.15)
34 THUMB-TIP, EXTENDED	.621	0.472X +	0.099Y +	0.67/	3.82 (	0.26/	1.51)
35 OVERHEAD REACH	.353	1.201X +	0.054Y +	0.91/	4.47 (	0.36/	1.76)
36 NECK CIRCUMFERENCE	.566	0.051X +	0.149Y +	15.47/	1.38 (	6.09/	0.54)
37 SHOULDER CIRCUMFER	.785	0.109X +	0.694Y +	36.10/	3.19 (	14.21/	1.25)
38 CHEST CIRC AT SCYE	.792	0.065X +	0.695Y +	27.01/	3.03 (	10.63/	1.19)
39 BUST CIRCUMFERENCE	.797	0.036X +	0.818Y +	28.92/	3.45 (	11.39/	1.36)
40 CHEST C BELOW BUST	.795	0.059X +	0.686Y +	18.66/	2.95 (	7.35/	1.16)
42 ABDOMINAL EXT CIRC	.810	0.026X +	1.069Y +	9.59/	4.26 (	3.78/	1.68)
43 HIP C-7" BLW WAIST	.812	0.133X +	0.775Y +	19.99/	3.26 (	7.87/	1.28)
44 HIP C-9" BLW WAIST	.741	0.173X +	0.741Y +	17.43/	4.04 (	6.86/	1.59)
45 UPPER THIGH CIRCUM	.688	0.058X +	0.509Y +	11.87/	3.06 (	4.67/	1.21)

TABLE XXVII
MULTIPLE CORRELATION COEFFICIENTS AND REGRESSION EQUATIONS BASED ON
STATURE AND WAIST CIRCUMFERENCE

	MULT CORR	- - - EQUATIONS - - -			STD ERR EST	ENGLISH C	UNITS S.E.
		A	B	C			
46 KNEE CIRCUMFERENCE	.644	0.089X +	0.222Y +	6.96/	1.73 (	2.74/	0.68)
47 CALF CIRCUM, RIGHT	.550	0.060X +	0.198Y +	11.11/	1.88 (	4.37/	0.74)
48 CALF CIRCUM, LEFT	.543	0.064X +	0.196Y +	10.69/	1.92 (	4.21/	0.75)
49 ANKLE CIRCUMFERNCE	.457	0.058X +	0.071Y +	6.91/	1.15 (	2.72/	0.45)
50 VERTICAL TRUNK CIR	.762	0.560X +	0.581Y +	24.60/	4.45 (	9.69/	1.75)
51 VERTICAL TRK C, SIT	.777	0.622X +	0.470Y +	17.65/	4.13 (	6.95/	1.63)
52 BUTTOCK CIRC, SIT	.794	0.181X +	0.807Y +	16.42/	3.70 (	6.47/	1.46)
53 SCYE CIRCUMFERENCE	.734	0.068X +	0.277Y +	7.46/	1.55 (	2.94/	0.61)
54 AXILLARY ARM CIRC	.757	-0.020X +	0.329Y +	8.57/	1.53 (	3.37/	0.60)
55 BICEPS C, RELAXED, R	.724	-0.025X +	0.310Y +	8.83/	1.58 (	3.48/	0.62)
56 BICEPS C, FLEXED, R	.715	-0.015X +	0.307Y +	8.59/	1.62 (	3.38/	0.64)
57 BICEPS C, RELAXED, L	.737	-0.030X +	0.332Y +	8.21/	1.63 (	3.23/	0.64)
58 BICEPS C, FLEXED, L	.726	-0.020X +	0.321Y +	8.21/	1.64 (	3.23/	0.65)
59 ELBOW CIRC, FLEXED	.547	0.091X +	0.122Y +	4.03/	1.49 (	1.59/	0.59)
60 FOREARM C, RELAXED	.694	0.029X +	0.163Y +	7.82/	0.99 (	3.08/	0.39)
61 FOREARM C, FLEXED	.666	0.034X +	0.171Y +	7.97/	1.13 (	3.14/	0.45)
62 WRIST CIRCUMFERNCE	.598	0.040X +	0.053Y +	4.92/	0.57 (	1.94/	0.22)
63 BIACROMIAL BREADTH	.528	0.104X +	0.083Y +	13.41/	1.39 (	5.28/	0.55)
64 BIDELOID BREADTH	.745	0.040X +	0.300Y +	15.23/	1.54 (	6.00/	0.61)
65 CHEST BREADTH	.689	0.030X +	0.230Y +	7.68/	1.39 (	3.02/	0.55)
66 BUST PT-BUST PT BR	.572	0.015X +	0.156Y +	5.62/	1.27 (	2.21/	0.50)
67 WAIST BREADTH	.890	0.029X +	0.305Y -	1.07/	0.88 (	-0.42/	0.35)
68 HIP BREADTH	.629	0.072X +	0.221Y +	8.45/	1.72 (	3.32/	0.68)
69 THIGH-THIGH BR, SIT	.637	0.032X +	0.321Y +	11.43/	2.20 (	4.50/	0.87)
70 HUMERAL BREADTH, R	.541	0.021X +	0.014Y +	1.79/	0.26 (	0.70/	0.10)
71 HUMERAL BREADTH, L	.550	0.021X +	0.014Y +	1.76/	0.25 (	0.69/	0.10)
72 FEMORAL BREADTH, R	.425	0.020X +	0.022Y +	3.40/	0.41 (	1.34/	0.16)
73 FEMORAL BREADTH, L	.445	0.019X +	0.023Y +	3.51/	0.39 (	1.38/	0.15)
74 CHEST DEPTH	.738	0.007X +	0.258Y +	5.17/	1.30 (	2.04/	0.51)
75 WAIST DEPTH	.847	-0.013X +	0.262Y +	1.51/	0.89 (	0.60/	0.35)
76 ABDOMINAL EXT DPTH	.814	-0.007X +	0.317Y +	0.72/	1.23 (	0.28/	0.48)
77 BUTTOCK DEPTH	.708	0.013X +	0.227Y +	3.79/	1.26 (	1.49/	0.50)
78 THIGH CLEARANCE	.593	0.065X +	0.097Y -	4.62/	1.01 (	-1.82/	0.40)
79 SHOULDER LENGTH	.370	0.059X +	0.012Y +	4.29/	0.95 (	1.69/	0.37)
80 NECK-BUST POINT L	.551	0.029X +	0.173Y +	7.55/	1.58 (	2.97/	0.62)
81 STRAP LENGTH	.636	0.108X +	0.408Y +	20.30/	3.03 (	7.99/	1.19)
82 INTERSCYE	.531	0.018X +	0.230Y +	16.68/	2.07 (	6.57/	0.81)
83 INTERSCYE, MAXIMUM	.534	0.129X +	0.251Y +	11.61/	2.78 (	4.57/	1.09)
84 BACK CURVATURE	.599	0.039X +	0.320Y +	14.32/	2.44 (	5.64/	0.96)
85 WAIST BACK	.586	0.214X +	0.008Y +	5.28/	1.80 (	2.08/	0.71)
86 ANTERIOR WAIST LTH	.532	0.123X +	0.101Y +	6.85/	1.66 (	2.70/	0.65)
87 SLEEVE INSEAM	.712	0.294X -	0.036Y -	1.11/	1.70 (	-0.44/	0.67)
88 SPINE-TO-SCYE LGTH	.401	0.038X +	0.079Y +	8.90/	1.24 (	3.50/	0.49)
89 SPINE-TO-ELBOW LTH	.709	0.249X +	0.092Y +	6.77/	1.70 (	2.67/	0.67)
90 SPINE-TO-WRIST LTH	.776	0.353X +	0.104Y +	8.89/	2.10 (	3.50/	0.82)

TABLE XXVII
MULTIPLE CORRELATION COEFFICIENTS AND REGRESSION EQUATIONS BASED ON
STATURE AND WAIST CIRCUMFERENCE

	MULT CORR	- - - EQUATIONS - - -			STD ERR EST	ENGLISH UNITS C S.E.	
		A	B	C			
91 HAND LENGTH	.503	0.094X +	0.009Y +	2.54/	0.76 (	1.00/	0.30)
92 HAND BREADTH	.417	0.021X +	0.013Y +	3.28/	0.35 (	1.29/	0.14)
93 HAND CIRCUMFERENCE	.458	0.043X +	0.048Y +	8.12/	0.81 (	3.20/	0.32)
94 FOOT LENGTH	.704	0.123X +	0.028Y +	2.25/	0.80 (	0.89/	0.32)
95 FOOT BREADTH	.393	0.025X +	0.016Y +	3.74/	0.46 (	1.47/	0.18)
96 HEAD LENGTH	.325	0.034X +	0.008Y +	12.36/	0.64 (	4.87/	0.25)
97 HEAD BREADTH	.275	0.007X +	0.027Y +	11.57/	0.57 (	4.55/	0.23)
98 HEAD CIRCUMFERENCE	.385	0.074X +	0.061Y +	38.77/	1.50 (	15.26/	0.59)
99 TRAGION-TOP HEAD	.256	0.028X +	0.011Y +	7.45/	0.74 (	2.93/	0.29)
100 ECTOCANTHUS-TOP HD	.236	0.036X +	0.002Y +	5.79/	0.89 (	2.28/	0.35)
101 PRONASALE-TOP HEAD	.243	0.049X -	0.008Y +	7.36/	1.14 (	2.90/	0.45)
102 SUBNASALE-TOP HEAD	.287	0.053X -	0.003Y +	7.52/	1.05 (	2.96/	0.41)
103 STOMION-TOP HEAD	.295	0.056X -	0.004Y +	9.02/	1.07 (	3.55/	0.42)
104 MENTON-TOP HEAD	.361	0.065X +	0.008Y +	10.67/	1.06 (	4.20/	0.42)
105 TRAGION TO WALL	.206	0.022X +	0.018Y +	5.40/	0.88 (	2.12/	0.35)
106 ECTOCANTHUS-WALL	.282	0.032X +	0.027Y +	9.36/	0.93 (	3.69/	0.37)
107 PRONASALE TO WALL	.324	0.037X +	0.030Y +	13.17/	0.91 (	5.19/	0.36)
108 SUBNASALE TO WALL	.287	0.029X +	0.032Y +	12.81/	0.94 (	5.04/	0.37)
109 LIP PROTRUSION-WALL	.238	0.020X +	0.035Y +	13.71/	1.03 (	5.40/	0.40)
110 MENTON TO WALL	.282	0.006X +	0.056Y +	13.50/	1.09 (	5.31/	0.43)
111 SAGITTAL CURVATURE	.284	0.065X +	0.015Y +	23.24/	1.43 (	9.15/	0.56)
112 BITRAGION-CORONAL	.293	0.046X +	0.044Y +	23.51/	1.34 (	9.26/	0.53)
113 BIOCULAR BREADTH	.224	0.013X +	0.011Y +	6.83/	0.48 (	2.69/	0.19)
114 BIAURICULAR BRDTH	.218	0.017X +	0.028Y +	11.20/	0.93 (	4.41/	0.36)
115 BITRAGION BREADTH	.378	0.012X +	0.029Y +	9.00/	0.46 (	3.54/	0.18)
116 BIZYGOMATIC BRDTH	.332	0.012X +	0.029Y +	9.00/	0.55 (	3.55/	0.21)
117 BIGONIAL BREADTH	.309	0.006X +	0.029Y +	7.26/	0.53 (	2.86/	0.21)
118 NASAL BREADTH	.101	0. X +	0.006Y +	2.79/	0.33 (	1.10/	0.13)
119 LIP LENGTH	.070	0.004X +	0.003Y +	3.53/	0.42 (	1.39/	0.17)
120 MENTON-SUBNASALE L	.203	0.013X +	0.009Y +	2.83/	0.50 (	1.11/	0.20)
121 MENTON-SELLION LTH	.286	0.024X +	0.012Y +	5.93/	0.59 (	2.34/	0.23)
122 SUBNASALE-SELLION	.190	0.011X +	0.005Y +	2.43/	0.40 (	0.96/	0.16)
123 EAR LENGTH	.272	0.008X +	0.018Y +	2.73/	0.43 (	1.07/	0.17)
124 EAR BREADTH	.131	0.004X +	0.005Y +	2.00/	0.33 (	0.79/	0.13)

TABLE XXVII
MULTIPLE CORRELATION COEFFICIENTS AND REGRESSION EQUATIONS BASED ON
STATURE AND HIP CIRCUMFERENCE/SEVEN INCHES BELOW WAIST LEVEL

	MULT CORR	- - - EQUATIONS - - -			STD ERR EST	ENGLISH UNITS C S.E.
		A	B	C		
1 AGE	.233	-0.041X +	0.282Y +	3.67/	6.27 (	1.44/ 2.47)
2 WEIGHT (WEIGHT IN LB/IN	.921	0.309X +	1.081Y -	93.65/	2.92	
3 TRICEPS SKINFOLD	.633	1.733X +	6.055Y -	206.69/	6.45)	
4 SUBSCAPULAR SKINFOLD	.617	-0.015X +	0.065Y -	1.75/	0.42 (	-0.69/ 0.17)
5 SUPRAILIAC SKINFOLD	.589	-0.018X +	0.057Y -	1.13/	0.38 (	-0.45/ 0.15)
		-0.014X +	0.078Y -	3.06/	0.57 (	-1.21/ 0.22)
6 MEDIAL CALF SKINFOLD	.397	-0.011X +	0.039Y -	0.27/	0.47 (	-0.11/ 0.19)
8 STATURE, MAXIMUM	.998	1.002X -	0.003Y +	0.60/	0.38 (	0.24/ 0.15)
9 CERVICAL HEIGHT	.977	0.856X +	0.007Y -	6.70/	1.17 (	-2.64/ 0.46)
10 ACROMIAL HEIGHT	.959	0.864X +	0.033Y -	11.29/	1.55 (	-4.44/ 0.61)
11 SUPRASTERNAL HEIGHT	.973	0.853X +	0.019Y -	8.05/	1.22 (	-3.17/ 0.48)
12 BUST POINT HEIGHT	.928	0.820X -	0.046Y -	10.30/	1.94 (	-4.05/ 0.77)
13 WAIST HEIGHT	.914	0.687X -	0.007Y -	10.43/	1.83 (	-4.11/ 0.72)
14 ABDOMINAL EXT HGT	.900	0.680X -	0.059Y -	11.55/	1.93 (	-4.55/ 0.76)
15 TROCHANTERIC HEIGHT	.852	0.610X -	0.015Y -	14.81/	2.23 (	-5.83/ 0.88)
16 BUTTOCK HEIGHT	.847	0.586X +	0.004Y -	13.15/	2.21 (	-5.18/ 0.87)
17 GLUTEAL FURROW HGT	.830	0.567X -	0.069Y -	12.75/	2.21 (	-5.02/ 0.87)
18 TIBIAL HEIGHT	.787	0.317X -	0.017Y -	7.81/	1.46 (	-3.08/ 0.58)
19 CROTCH HEIGHT	.852	0.588X -	0.054Y -	15.76/	2.11 (	-6.20/ 0.83)
20 ANKLE HEIGHT	.308	0.072X -	0.009Y +	0.36/	1.29 (	0.14/ 0.51)
21 LAT'L MALLEOLUS HT	.426	0.042X +	0. Y -	0.03/	0.53 (	-0.01/ 0.21)
22 SITTING HT, RELAXED	.783	0.416X +	0.025Y +	14.50/	2.02 (	5.71/ 0.80)
23 SITTING HEIGHT	.803	0.410X +	0.039Y +	15.49/	1.89 (	6.10/ 0.74)
24 EYE HEIGHT, SITTING	.741	0.362X +	0.041Y +	11.18/	2.06 (	4.40/ 0.81)
25 MIDSHOULDER HT, SIT	.729	0.294X +	0.069Y +	3.88/	1.82 (	1.53/ 0.72)
26 WAIST HEIGHT, SITTING	.451	0.095X +	0.066Y +	1.79/	1.55 (	0.70/ 0.61)
27 ELBOW REST HEIGHT	.218	0.071X +	0.037Y +	7.73/	2.40 (	3.04/ 0.95)
28 POPLITEAL HEIGHT	.730	0.232X -	0.019Y +	5.22/	1.27 (	2.05/ 0.50)
29 BUTTOCK-POPLIT'L L	.705	0.254X +	0.140Y -	6.57/	1.96 (	-2.59/ 0.77)
30 BUTTOCK-KNEE LENGTH	.835	0.283X +	0.164Y -	3.80/	1.45 (	-1.50/ 0.57)
31 ACROMION-RADIAL L	.726	0.192X +	0.013Y -	1.34/	1.12 (	-0.53/ 0.44)
32 RADIAL-STYLION L	.666	0.150X +	0.005Y -	1.40/	1.02 (	-0.55/ 0.40)
33 THUMB-TIP REACH	.649	0.401X +	0.048Y +	4.63/	2.95 (	1.82/ 1.16)
34 THUMB-TIP, EXTENDED	.618	0.469X +	0.083Y +	0.03/	3.83 (	0.01/ 1.51)
35 OVERHEAD REACH	.852	1.208X +	0.021Y +	1.44/	4.48 (	0.57/ 1.76)
36 NECK CIRCUMFERENCE	.520	0.045X +	0.132Y +	14.09/	1.43 (	5.55/ 0.56)
37 SHOULDER CIRCUMFERENCE	.747	0.068X +	0.658Y +	27.78/	3.41 (	10.94/ 1.34)
38 CHEST CIRC AT SCYE	.724	0.033X +	0.630Y +	19.91/	3.42 (	7.84/ 1.35)
39 BUST CIRCUMFERENCE	.722	0. X +	0.737Y +	20.72/	3.95 (	8.16/ 1.55)
40 CHEST C BELOW BUST	.707	0.035X +	0.602Y +	12.28/	3.44 (	4.84/ 1.36)
41 WAIST CIRCUMFERENCE	.800	-0.005X +	0.786Y -	5.58/	3.29 (	-2.20/ 1.29)
42 ABDOMINAL EXT CIRC	.829	-0.067X +	1.104Y -	6.87/	4.07 (	-2.70/ 1.60)
44 HIP C-9" BLW WAIST	.939	0.031X +	0.999Y -	3.30/	2.06 (	-1.30/ 0.81)
45 UPPER THIGH CIRCUM	.866	-0.033X +	0.666Y -	1.54/	2.11 (	-0.61/ 0.83)

TABLE XXVII
MULTIPLE CORRELATION COEFFICIENTS AND REGRESSION EQUATIONS BASED ON
STATURE AND HIP CIRCUMFERENCE/SEVEN INCHES BELOW WAIST LEVEL

	MULT CORR	- - - EQUATIONS - - -			STD ERR EST	ENGLISH UNITS	
		A	B	C		C	S.E.
46 KNEE CIRCUMFERENCE	.764	0.051X +	0.286Y +	1.25/	1.46 (	0.49/	0.58)
47 CALF CIRCUM, RIGHT	.675	0.024X +	0.261Y +	5.81/	1.66 (	2.29/	0.65)
48 CALF CIRCUM, LEFT	.674	0.027X +	0.264Y +	5.13/	1.69 (	2.02/	0.66)
49 ANKLE CIRCUMFERENCE	.528	0.044X +	0.057Y +	4.87/	1.09 (	1.92/	0.43)
50 VERTICAL TRUNK CIR	.802	0.486X +	0.671Y +	12.81/	4.11 (	5.04/	1.62)
51 VERTICAL TRK C, SIT	.802	0.564X +	0.536Y +	8.45/	3.92 (	3.33/	1.54)
52 BUTTOCK CIRC, SIT	.934	0.057X +	0.995Y -	2.41/	2.17 (	-0.95/	0.86)
53 SCYE CIRCUMFERENCE	.700	0.052X +	0.262Y +	4.14/	1.63 (	1.63/	0.64)
54 AXILLARY ARM CIRC	.762	-0.046X +	0.333Y +	3.71/	1.52 (	1.46/	0.60)
55 BICEPS C, RELAXED, R	.776	-0.057X +	0.335Y +	3.48/	1.45 (	1.37/	0.57)
56 BICEPS C, FLEXED, R	.764	-0.047X +	0.331Y +	3.42/	1.49 (	1.35/	0.59)
57 BICEPS C, RELAXED, L	.784	-0.063X +	0.356Y +	2.54/	1.49 (	1.00/	0.59)
58 BICEPS C, FLEXED, L	.772	-0.052X +	0.345Y +	2.66/	1.51 (	1.05/	0.60)
59 ELBOW CIRC, FLEXED	.535	0.084X +	0.117Y +	2.40/	1.51 (	0.95/	0.59)
60 FOREARM C, RELAXED	.712	0.015X +	0.169Y +	5.22/	0.97 (	2.06/	-0.38)
61 FOREARM C, FLEXED	.683	0.019X +	0.178Y +	5.23/	1.11 (	2.06/	0.44)
62 WRIST CIRCUMFERENCE	.584	0.037X +	0.050Y +	4.28/	0.58 (	1.69/	0.23)
63 BIACROMIAL BREADTH	.513	0.100X +	0.074Y +	12.70/	1.41 (	5.00/	0.55)
64 BIELDROID BREADTH	.727	0.020X +	0.293Y +	11.20/	1.59 (	4.41/	0.63)
65 CHEST BREADTH	.637	0.019X +	0.210Y +	5.25/	1.48 (	2.07/	0.58)
66 BUST PT-BUST PT BR	.511	0.009X +	0.138Y +	4.15/	1.33 (	1.63/	0.52)
67 WAIST BREADTH	.725	0.027X +	0.240Y -	2.72/	1.33 (	-1.07/	0.52)
68 HIP BREADTH	.837	0.022X +	0.323Y +	1.16/	1.21 (	0.46/	0.48)
69 THIGH-THIGH BR, SIT	.846	-0.033X +	0.444Y +	1.96/	1.53 (	0.77/	0.60)
70 HUMERAL BREADTH, R	.551	0.020X +	0.015Y +	1.49/	0.26 (	0.59/	0.10)
71 HUMERAL BREADTH, L	.555	0.020X +	0.015Y +	1.45/	0.25 (	0.57/	0.10)
72 FEMORAL BREADTH, R	.451	0.017X +	0.026Y +	2.93/	0.40 (	1.15/	0.16)
73 FEMORAL BREADTH, L	.475	0.016X +	0.027Y +	3.02/	0.39 (	1.19/	0.15)
74 CHEST DEPTH	.677	-0.005X +	0.236Y +	2.36/	1.42 (	0.93/	0.56)
75 WAIST DEPTH	.697	-0.017X +	0.214Y -	0.27/	1.20 (	-0.11/	0.47)
76 ABDOMINAL EXT DPTH	.780	-0.027X +	0.305Y -	3.29/	1.33 (	-1.30/	0.52)
77 BUTTOCK DEPTH	.822	-0.018X +	0.270Y -	1.21/	1.02 (	-0.48/	0.40)
78 THIGH CLEARANCE	.661	0.050X +	0.120Y -	6.91/	0.94 (	-2.72/	0.37)
79 SHOULDER LENGTH	.369	0.059X +	0.011Y +	4.07/	0.95 (	1.60/	0.37)
80 NECK-BUST POINT L	.512	0.031X +	0.158Y +	5.68/	1.62 (	2.23/	0.64)
81 STRAP LENGTH	.590	0.089X +	0.371Y +	16.05/	3.17 (	6.32/	1.25)
82 INTERSCYE	.482	0.008X +	0.208Y +	14.28/	2.14 (	5.62/	0.84)
83 INTERSCYE, MAXIMUM	.516	0.114X +	0.238Y +	8.63/	2.82 (	3.40/	1.11)
84 BACK CURVATURE	.556	0.023X +	0.295Y +	10.79/	2.54 (	4.25/	1.00)
85 WAIST BACK	.586	0.219X -	0.010Y +	5.95/	1.80 (	2.34/	0.71)
86 ANTERIOR WAIST LTH	.501	0.124X +	0.076Y +	6.36/	1.69 (	2.50/	0.67)
87 SLEEVE INSEAM	.716	0.301X -	0.050Y +	0.02/	1.69 (	0.01/	0.66)
88 SPINE-TO-SCYE LGTH	.380	0.035X +	0.072Y +	7.95/	1.26 (	3.13/	0.49)
89 SPINE-TO-ELBOW LTH	.705	0.243X +	0.088Y +	5.69/	1.71 (	2.24/	0.67)
90 SPINE-TO-WRIST LTH	.772	0.389X +	0.052Y +	7.91/	2.11 (	3.11/	0.83)

TABLE XXVII
MULTIPLE CORRELATION COEFFICIENTS AND REGRESSION EQUATIONS BASED ON
STATURE AND HIP CIRCUMFERENCE/SEVEN INCHES BELOW WAIST LEVEL

	MULT	- - - EQUATIONS- - -			STD	ENGLISH UNITS	
	CORR	A	B	C	ERR EST	C	S.E.
91 HAND LENGTH	.602	0.095X +	0.003Y +	2.70/	0.77 (	1.06/	0.30)
92 HAND BREADTH	.411	0.021X +	0.012Y +	3.03/	0.35 (	1.19/	0.14)
93 HAND CIRCUMFERENCE	.436	0.041X +	0.042Y +	7.74/	0.82 (	3.05/	0.32)
94 FOOT LENGTH	.700	0.122X +	0.024Y +	2.04/	0.81 (	0.81/	0.32)
95 FOOT BREADTH	.399	0.024X +	0.017Y +	3.39/	0.46 (	1.33/	0.18)
96 HEAD LENGTH	.332	0.032X +	0.012Y +	12.10/	0.64 (	4.76/	0.25)
97 HEAD BREADTH	.254	0.005X +	0.024Y +	11.46/	0.58 (	4.51/	0.23)
98 HEAD CIRCUMFERENCE	.382	0.070X +	0.060Y +	37.90/	1.50 (	14.92/	0.59)
99 TRAGION-TOP HEAD	.254	0.028X +	0.010Y +	7.25/	0.74 (	2.85/	0.29)
100 ECTOCANTHUS-TOP HD	.236	0.036X +	0. Y +	5.93/	0.89 (	2.33/	0.35)
101 PRONASALE-TOP HEAD	.242	0.049X -	0.005Y +	7.29/	1.14 (	2.87/	0.45)
102 SUBNASALE-TOP HEAD	.287	0.053X -	0.002Y +	7.51/	1.05 (	2.96/	0.41)
103 STOMION-TOP HEAD	.295	0.056X -	0.004Y +	9.12/	1.07 (	3.59/	0.42)
104 MENTON-TOP HEAD	.361	0.066X +	0.008Y +	10.46/	1.06 (	4.12/	0.42)
105 TRAGION TO WALL	.208	0.020X +	0.019Y +	5.15/	0.88 (	2.03/	0.35)
106 ECTOCANTHUS-WALL	.284	0.030X +	0.028Y +	8.88/	0.93 (	3.50/	0.37)
107 PRONASALE TO WALL	.332	0.034X +	0.033Y +	12.59/	0.91 (	4.96/	0.36)
108 SUBNASALE TO WALL	.286	0.027X +	0.032Y +	12.29/	0.94 (	4.84/	0.37)
109 LIP PROTRUSION-WALL	.229	0.018X +	0.033Y +	13.29/	1.03 (	5.23/	0.41)
110 MENTON TO WALL	.267	0.003X +	0.053Y +	12.78/	1.09 (	5.03/	0.43)
111 SAGITTAL CURVATURE	.286	0.063X +	0.018Y +	22.89/	1.43 (	9.01/	0.56)
112 BITRAGION-CORONAL	.279	0.045X +	0.037Y +	23.16/	1.35 (	9.12/	0.53)
113 BIOCLAR BREADTH	.216	0.013X +	0.009Y +	6.72/	0.48 (	2.65/	0.19)
114 BIAURICULAR BRDTH	.199	0.016X +	0.023Y +	11.09/	0.93 (	4.36/	0.37)
115 BITRAGION BREADTH	.350	0.011X +	0.025Y +	8.77/	0.47 (	3.45/	0.18)
116 BIZYGOMATIC BRDTH	.307	0.011X +	0.026Y +	8.68/	0.55 (	3.42/	0.22)
117 BIGONIAL BREADTH	.283	0.005X +	0.026Y +	6.94/	0.54 (	2.73/	0.21)
118 NASAL BREADTH	.053	0.001X +	0.003Y +	2.75/	0.33 (	1.08/	0.13)
119 LIP LENGTH	.061	0.004X +	0. Y +	3.73/	0.42 (	1.47/	0.17)
120 MENTON-SUBNASALE L	.200	0.013X +	0.008Y +	2.68/	0.50 (	1.06/	0.20)
121 MENTON-SELLION LTH	.283	0.024X +	0.011Y +	5.71/	0.59 (	2.25/	0.23)
122 SUBNASALE-SELLION	.188	0.011X +	0.004Y +	2.39/	0.40 (	0.94/	0.16)
123 EAR LENGTH	.260	0.008X +	0.016Y +	2.44/	0.43 (	0.96/	0.17)
124 EAR BREADTH	.127	0.004X +	0.005Y +	1.86/	0.33 (	0.73/	0.13)

TABLE XXVII
MULTIPLE CORRELATION COEFFICIENTS AND REGRESSION EQUATIONS BASED ON
CERVICALE HEIGHT AND WEIGHT

	MULT CORR	-- -- -- EQUATIONS -- -- --			S.E. EST.	ENGLISH UNITS	
		A	B	C		B	C
1 AGE	.241	-0.127X+	0.242Y+	27.15/	6.26	(+ 0.043Y+	10.72)
3 TRICEPS SKINFOLD	.657	-0.032X+	0.056Y+	3.13/	0.41	(+ 0.010Y+	1.23)
4 SUBSCAPULAR SKINFOLD	.654	-0.034X+	0.050Y+	3.14/	0.37	(+ 0.009Y+	1.23)
5 SUPRAILIAC SKINFOLD	.625	-0.034X+	0.068Y+	2.78/	0.55	(+ 0.012Y+	1.11)
6 MEDIAL CALF SKINFOLD	.414	-0.022X+	0.034Y+	2.70/	0.47	(+ 0.006Y+	1.07)
7 STATURE	.977	1.059X+	0.005Y+	14.41/	1.28	(+ 0.001Y+	5.66)
8 STATURE, MAXIMUM	.979	1.064X+	0.005Y+	14.35/	1.24	(+ 0.001Y+	5.64)
10 ACROMIAL HEIGHT	.965	0.934X+	0.032Y+	0.01/	1.43	(+ 0.006Y+	0.03)
11 SUPRASTERNAL HEIGHT	.973	0.914X+	0.027Y+	3.22/	1.23	(+ 0.005Y+	1.24)
12 BUST POINT HEIGHT	.929	0.908X+	0.043Y-	5.59/	1.94	(- 0.008Y-	2.16)
13 WAIST HEIGHT	.927	0.758X+	0.004Y-	5.00/	1.69	(- 0.001Y-	1.93)
14 ABDOMINAL EXT HGT	.914	0.767X+	0.051Y-	10.67/	1.80	(- 0.009Y-	4.21)
15 TROCHANTERIC HEIGHT	.866	0.674X+	0.006Y-	10.80/	2.14	(- 0.001Y-	4.26)
16 BUTTOCK HEIGHT	.866	0.653X+	0. Y-	8.68/	2.08	(+ 0. Y-	3.42)
17 GLUTEAL FURROW HGT	.845	0.650X+	0.065Y-	14.03/	2.12	(- 0.012Y-	5.47)
18 TIBIALE HEIGHT	.816	0.362X+	0.015Y-	7.54/	1.37	(- 0.003Y-	2.93)
19 CROTCH HEIGHT	.878	0.664X+	0.033Y-	16.02/	1.93	(- 0.006Y-	6.29)
20 ANKLE HEIGHT	.328	0.084X+	0.005Y-	0.22/	1.28	(- 0.001Y-	0.07)
21 LAT'L MALLEOLUS HT	.419	0.043X+	0.002Y+	0.67/	0.53	(+ 0. Y+	0.31)
22 SITTING HT, RELAXED	.738	0.408X+	0.033Y+	25.58/	2.20	(+ 0.006Y+	10.06)
23 SITTING HEIGHT	.758	0.400X+	0.044Y+	27.38/	2.07	(+ 0.008Y+	10.76)
24 EYE HEIGHT, SITTING	.704	0.357X+	0.040Y+	21.70/	2.17	(+ 0.007Y+	8.56)
25 MIDSHOULDER HT, SIT	.717	0.296X+	0.058Y+	13.45/	1.85	(+ 0.010Y+	5.34)
26 WAIST HEIGHT, SITTING	.447	0.084X+	0.056Y+	8.45/	1.55	(+ 0.010Y+	3.33)
27 ELBOW REST HEIGHT	.199	0.062X+	0.028Y+	12.46/	2.41	(+ 0.005Y+	4.91)
28 POPLITEAL HEIGHT	.746	0.260X+	0.011Y+	5.49/	1.24	(- 0.002Y+	2.17)
29 BUTTOCK-POPLIT'L L	.714	0.259X+	0.104Y+	5.66/	1.93	(+ 0.019Y+	2.17)
30 BUTTOCK-KNEE LENGTH	.851	0.279X+	0.133Y+	10.92/	1.39	(+ 0.024Y+	4.27)
31 ACROMION-RADIAL L	.736	0.206X+	0.014Y+	1.52/	1.10	(+ 0.002Y+	0.66)
32 RADIAL-STYLION L	.688	0.170X+	0.001Y-	0.33/	0.99	(+ 0. Y-	0.11)
33 THUMB-TIP REACH	.668	0.425X+	0.055Y+	11.80/	2.89	(+ 0.010Y+	4.62)
34 THUMB-TIP, EXTENDED	.627	0.486X+	0.081Y+	11.51/	3.80	(+ 0.014Y+	4.59)
35 OVERHEAD REACH	.856	1.300X+	0.036Y+	16.20/	4.43	(+ 0.006Y+	6.43)
36 NECK CIRCUMFERENCE	.582	0.001X+	0.130Y+	26.11/	1.36	(+ 0.023Y+	10.31)
37 SHOULDER CIRCUMFER	.847	-0.154X+	0.632Y+	85.40/	2.74	(+ 0.113Y+	33.61)
38 CHEST CIRC AT SCYE	.821	-0.181X+	0.602Y+	74.73/	2.84	(+ 0.108Y+	29.36)
39 BUST CIRCUMFERENCE	.824	-0.247X+	0.704Y+	83.51/	3.23	(+ 0.126Y+	32.84)
40 CHEST C BELOW BUST	.806	-0.168X+	0.578Y+	64.38/	2.88	(+ 0.103Y+	25.37)
41 WAIST CIRCUMFERENCE	.844	-0.214X+	0.686Y+	57.43/	2.94	(+ 0.123Y+	22.55)
42 ABDOMINAL EXT CIRC	.823	-0.342X+	0.905Y+	81.06/	4.13	(+ 0.162Y+	31.87)
43 HIP C-7" BLW WAIST	.905	-0.185X+	0.736Y+	76.95/	2.38	(+ 0.131Y+	30.35)
44 HIP C-9" BLW WAIST	.896	-0.175X+	0.778Y+	74.77/	2.67	(+ 0.139Y+	29.43)
45 UPPER THIGH CIRCUM	.867	-0.195X+	0.549Y+	50.96/	2.10	(+ 0.098Y+	20.07)

TABLE XXVII
MULTIPLE CORRELATION COEFFICIENTS AND REGRESSION EQUATIONS BASED ON
CERVICAL HEIGHT AND WEIGHT

	MULT CORR	- - - EQUATIONS - - -			S.E. EST.	ENGLISH UNITS	
		A	B	C		B	C
46 KNEE CIRCUMFERENCE	.822	-0.030X+	0.259Y+	25.54/	1.29	(+ 0.046Y+	10.09)
47 CALF CIRCUM, RIGHT	.765	-0.067X+	0.252Y+	28.94/	1.45	(+ 0.045Y+	11.39)
48 CALF CIRCUM, LEFT	.759	-0.065X+	0.253Y+	28.69/	1.49	(+ 0.045Y+	11.32)
49 ANKLE CIRCUMFERENCE	.592	0.009X+	0.058Y+	14.18/	1.04	(+ 0.017Y+	5.65)
50 VERTICAL TRUNK CIR	.818	0.328X+	0.589Y+	74.81/	3.95	(+ 0.105Y+	29.47)
51 VERTICAL TRK C, SIT	.807	0.463X+	0.459Y+	59.15/	3.87	(+ 0.082Y+	23.28)
52 BUTTOCK CIRC, SIT	.912	-0.157X+	0.795Y+	76.01/	2.50	(+ 0.142Y+	29.92)
53 SCYE CIRCUMFERENCE	.778	-0.027X+	0.247Y+	26.61/	1.44	(+ 0.044Y+	10.49)
54 AXILLARY ARM CIRC	.849	-0.153X+	0.308Y+	30.97/	1.24	(+ 0.055Y+	12.20)
55 BICEPS C, RELAXED, R	.871	-0.167X+	0.311Y+	30.92/	1.13	(+ 0.056Y+	12.12)
56 BICEPS C, FLEXED, R	.865	-0.157X+	0.311Y+	30.71/	1.16	(+ 0.055Y+	12.16)
57 BICEPS C, RELAXED, L	.878	-0.180X+	0.330Y+	31.69/	1.15	(+ 0.059Y+	12.47)
58 BICEPS C, FLEXED, L	.866	-0.164X+	0.320Y+	30.91/	1.19	(+ 0.057Y+	12.19)
59 ELBOW CIRC, FLEXED	.586	0.049X+	0.116Y+	13.47/	1.44	(+ 0.021Y+	5.27)
60 FOREARM C, RELAXED	.820	-0.043X+	0.165Y+	19.95/	0.79	(+ 0.029Y+	7.91)
61 FOREARM C, FLEXED	.790	-0.041X+	0.174Y+	20.65/	0.93	(+ 0.031Y+	8.14)
62 WRIST CIRCUMFERENCE	.657	0.018X+	0.054Y+	9.34/	0.54	(+ 0.010Y+	3.63)
63 BIACROMIAL BREADTH	.541	0.077X+	0.077Y+	20.69/	1.38	(+ 0.014Y+	8.11)
64 BIELTOID BREADTH	.812	-0.076X+	0.276Y+	36.54/	1.35	(+ 0.049Y+	14.42)
65 CHEST BREADTH	.711	-0.050X+	0.199Y+	23.48/	1.35	(+ 0.035Y+	9.31)
66 BUST PT-BUST PT BR	.598	-0.040X+	0.137Y+	16.20/	1.24	(+ 0.024Y+	6.44)
67 WAIST BREADTH	.772	-0.036X+	0.212Y+	16.91/	1.23	(+ 0.038Y+	6.64)
68 HIP BREADTH	.775	-0.038X+	0.242Y+	26.30/	1.40	(+ 0.043Y+	10.38)
69 THIGH-THIGH BR, SIT	.811	-0.129X+	0.349Y+	36.02/	1.67	(+ 0.062Y+	14.22)
70 HUMERAL BREADTH, R	.585	0.015X+	0.016Y+	3.12/	0.25	(+ 0.003Y+	1.21)
71 HUMERAL BREADTH, L	.593	0.015X+	0.016Y+	3.09/	0.24	(+ 0.003Y+	1.20)
72 FEMORAL BREADTH, R	.496	0.009X+	0.026Y+	5.36/	0.39	(+ 0.005Y+	2.07)
73 FEMORAL BREADTH, L	.522	0.008X+	0.027Y+	5.47/	0.37	(+ 0.005Y+	2.13)
74 CHEST DEPTH	.767	-0.078X+	0.222Y+	21.70/	1.24	(+ 0.040Y+	8.50)
75 WAIST DEPTH	.769	-0.080X+	0.196Y+	16.85/	1.07	(+ 0.035Y+	6.63)
76 ABDOMINAL EXT DPTH	.827	-0.110X+	0.267Y+	20.81/	1.19	(+ 0.048Y+	8.15)
77 BUTTOCK DEPTH	.834	-0.085X+	0.225Y+	20.01/	0.99	(+ 0.040Y+	7.90)
78 THIGH CLEARANCE	.717	0.020X+	0.111Y+	3.25/	0.87	(+ 0.020Y+	1.26)
79 SHOULDER LENGTH	.383	0.059X+	0.014Y+	5.64/	0.94	(+ 0.002Y+	2.28)
80 NECK-BUST POINT L	.574	-0.019X+	0.151Y+	19.43/	1.55	(+ 0.027Y+	7.65)
81 STRAP LENGTH	.656	-0.038X+	0.357Y+	49.92/	2.96	(+ 0.064Y+	19.62)
82 INTERSCYE	.547	-0.061X+	0.198Y+	32.13/	2.04	(+ 0.035Y+	12.70)
83 INTERSCYE, MAXIMUM	.558	0.053X+	0.221Y+	29.27/	2.73	(+ 0.039Y+	11.58)
84 BACK CURVATURE	.616	-0.070X+	0.274Y+	36.09/	2.41	(+ 0.049Y+	14.20)
85 WAIST BACK	.610	0.254X-	0.013Y+	5.91/	1.76	(- 0.002Y+	2.28)
86 ANTERIOR WAIST LTH	.511	0.095X+	0.082Y+	15.63/	1.68	(+ 0.015Y+	6.11)
87 SLEEVE INSEAM	.739	0.354X-	0.048Y-	2.38/	1.63	(- 0.009Y-	0.88)
88 SPINE-TO-SCYE LGTH	.431	0.009X+	0.074Y+	14.85/	1.22	(+ 0.013Y+	5.87)
89 SPINE-TO-ELBOW LTH	.720	0.228X+	0.091Y+	16.33/	1.67	(+ 0.016Y+	6.46)
90 SPINE-TO-WRIST LTH	.789	0.392X+	0.054Y+	19.60/	2.04	(+ 0.017Y+	7.69)

TABLE XXVII
MULTIPLE CORRELATION COEFFICIENTS AND REGRESSION EQUATIONS BASED ON
CERVICAL HEIGHT AND WEIGHT

	MULT CORR	-- -- -- EQUATIONS -- -- --			S.E. EST.	ENGLISH UNITS	
		A	B	C		B	C
91 HAND LENGTH	.608	0.097X+	0.010Y+	4.30/	0.76	(+ 0.002Y+	1.67)
92 HAND BREADTH	.454	0.015X+	0.016Y+	4.54/	0.35	(+ 0.003Y+	1.77)
93 HAND CIRCUMFERENCE	.508	0.022X+	0.051Y+	12.31/	0.78	(+ 0.009Y+	4.86)
94 FOOT LENGTH	.714	0.122X+	0.028Y+	5.47/	0.79	(+ 0.005Y+	2.15)
95 FOOT BREADTH	.424	0.017X+	0.019Y+	5.41/	0.45	(+ 0.003Y+	2.18)
96 HEAD LENGTH	.344	0.023X+	0.018Y+	14.17/	0.64	(+ 0.003Y+	5.61)
97 HEAD BREADTH	.293	-0.005X+	0.025Y+	13.77/	0.57	(+ 0.004Y+	5.48)
98 HEAD CIRCUMFERENCE	.417	0.038X+	0.072Y+	45.42/	1.48	(+ 0.013Y+	17.87)
99 TRAGION-TOP HEAD	.245	0.017X+	0.016Y+	9.44/	0.74	(+ 0.003Y+	3.70)
100 ECTOCANTHUS-TOP HD	.210	0.025X+	0.011Y+	7.65/	0.90	(+ 0.002Y+	3.01)
101 PRONASALE-TOP HEAD	.204	0.036X+	0.008Y+	9.29/	1.15	(+ 0.001Y+	3.71)
102 SUBNASALE-TOP HEAD	.252	0.041X+	0.011Y+	9.57/	1.06	(+ 0.002Y+	3.76)
103 STOMICN-TOP HEAD	.261	0.044X+	0.010Y+	11.12/	1.08	(+ 0.002Y+	4.35)
104 MENTON-TOP HEAD	.338	0.049X+	0.022Y+	13.82/	1.07	(+ 0.004Y+	5.43)
105 TRAGION TO WALL	.224	0.018X+	0.017Y+	6.69/	0.88	(+ 0.003Y+	2.64)
106 ECTOCANTHUS-WALL	.309	0.021X+	0.029Y+	11.77/	0.92	(+ 0.005Y+	4.66)
107 PRONASALE TO WALL	.365	0.025X+	0.034Y+	15.75/	0.89	(+ 0.006Y+	6.21)
108 SUBNASALE TO WALL	.324	0.019X+	0.033Y+	15.11/	0.93	(+ 0.006Y+	5.94)
109 LIP PROTRUS'N-WALL	.273	0.010X+	0.034Y+	15.95/	1.02	(+ 0.006Y+	6.29)
110 MENTON TO WALL	.305	-0.008X+	0.049Y+	16.52/	1.08	(+ 0.009Y+	6.47)
111 SAGITTAL CURVATURE	.275	0.044X+	0.029Y+	26.99/	1.43	(+ 0.005Y+	10.65)
112 BITRAGION-CORONAL	.309	0.018X+	0.049Y+	28.59/	1.34	(+ 0.009Y+	11.22)
113 BIOCULAR BREADTH	.251	0.010X+	0.012Y+	7.59/	0.48	(+ 0.002Y+	3.01)
114 BIAURICULAR BRDTH	.217	0.005X+	0.025Y+	13.70/	0.93	(+ 0.005Y+	5.32)
115 BITRAGION BREADTH	.392	0.001X+	0.026Y+	11.25/	0.46	(+ 0.005Y+	4.38)
116 BIZYGOMATIC BRDTH	.358	0.001X+	0.027Y+	11.20/	0.54	(+ 0.005Y+	4.39)
117 BIGONIAL BREADTH	.349	-0.005X+	0.028Y+	9.27/	0.53	(+ 0.005Y+	3.65)
118 NASAL BREADTH	.101	-0.001X+	0.005Y+	3.05/	0.33	(+ 0.001Y+	1.19)
119 LIP LENGTH	.090	0.003X+	0.003Y+	3.79/	0.42	(+ 0.001Y+	1.43)
120 MENTON-SUBNASALE L	.221	0.007X+	0.011Y+	3.93/	0.50	(+ 0.002Y+	1.54)
121 MENTON-SELLION LTH	.295	0.017X+	0.015Y+	7.40/	0.58	(+ 0.003Y+	2.87)
122 SUBNASALE-SELLION	.190	0.008X+	0.006Y+	3.09/	0.40	(+ 0.001Y+	1.22)
123 EAR LENGTH	.281	0.001X+	0.016Y+	4.17/	0.43	(+ 0.003Y+	1.63)
124 EAR BREADTH	.143	0.002X+	0.005Y+	2.41/	0.33	(+ 0.001Y+	0.94)

TABLE XXVII
MULTIPLE CORRELATION COEFFICIENTS AND REGRESSION EQUATIONS BASED ON
CERVICAL HEIGHT AND BUST CIRCUMFERENCE

	MULT CORR	- - - EQUATIONS - - -			STD ERR EST	ENGLISH UNITS C S.E.	
		A	B	C			
1 AGE	.289	-0.040X +	0.336Y -	1.15/	6.18 (	-0.45/	2.43)
2 WEIGHT	.869	0.483X +	0.930Y -	93.01/	3.71		
(WEIGHT IN LB/IN		2.705X +	5.208Y -	205.08/	8.18)		
3 TRICEPS SKINFOLD	.527	-0.005X +	0.051Y -	1.98/	0.46 (	-0.78/	0.18)
4 SUBSCAPULAR SKINFOLD	.644	-0.013X +	0.057Y -	2.02/	0.37 (	-0.79/	0.15)
5 SUPRAILIAC SKINFOLD	.602	-0.005X +	0.075Y -	4.06/	0.56 (	-1.60/	0.22)
6 MEDIAL CALF SKINFOLD	.264	-0.004X +	0.025Y -	0.09/	0.50 (	-0.04/	0.20)
7 STATURE	.977	1.063X -	0.001Y +	14.23/	1.28 (	5.60/	0.50)
8 STATURE, MAXIMUM	.979	1.068X -	0.001Y +	14.18/	1.24 (	5.58/	0.49)
10 ACROMIAL HEIGHT	.965	0.947X +	0.039Y -	3.46/	1.43 (	-1.36/	0.56)
11 SUPRASTERNAL HEIGHT	.972	0.928X +	0.023Y +	0.76/	1.24 (	0.30/	0.49)
12 BUST POINT HEIGHT	.929	0.892X -	0.060Y -	0.46/	1.93 (	-0.18/	0.76)
13 WAIST HEIGHT	.927	0.757X -	0.005Y -	4.64/	1.69 (	-1.83/	0.66)
14 ABDOMINAL EXT HEIGHT	.913	0.743X -	0.050Y -	5.78/	1.81 (	-2.28/	0.71)
15 TROCHANTERIC HEIGHT	.866	0.673X -	0.013Y -	9.84/	2.13 (	-3.87/	0.84)
16 BUTTOCK HEIGHT	.866	0.651X +	0.008Y -	9.12/	2.08 (	-3.59/	0.82)
17 GLUTEAL FURROW HEIGHT	.841	0.614X -	0.043Y -	8.91/	2.14 (	-3.51/	0.84)
18 TIBIAL HEIGHT	.815	0.353X -	0.008Y -	6.44/	1.38 (	-2.53/	0.54)
19 CROTCH HEIGHT	.877	0.648X -	0.031Y -	12.91/	1.94 (	-5.08/	0.76)
20 ANKLE HEIGHT	.328	0.079X +	0.005Y -	0.26/	1.28 (	-0.10/	0.50)
21 LAT'L MALLEOLUS HT	.419	0.044X +	0.002Y +	0.47/	0.53 (	0.18/	0.21)
22 SITTING HT, RELAXED	.736	0.428X +	0.019Y +	23.00/	2.20 (	9.05/	0.87)
23 SITTING HEIGHT	.754	0.426X +	0.024Y +	24.15/	2.08 (	9.51/	0.82)
24 EYE HEIGHT, SITTING	.700	0.380X +	0.025Y +	18.57/	2.18 (	7.31/	0.86)
25 MIDSHOULDER HT, SIT	.711	0.326X +	0.048Y +	8.31/	1.87 (	3.27/	0.74)
26 WAIST HEIGHT, SITTING	.429	0.111X +	0.050Y +	3.43/	1.57 (	1.35/	0.62)
27 ELBOW REST HEIGHT	.188	0.080X +	0.012Y +	10.49/	2.42 (	4.13/	0.95)
28 POPLITEAL HEIGHT	.746	0.253X -	0.008Y +	6.55/	1.24 (	2.58/	0.49)
29 BUTTOCK-POPLIT'L L	.695	0.313X +	0.087Y -	3.66/	1.98 (	-1.44/	0.78)
30 BUTTOCK-KNEE LENGTH	.821	0.347X +	0.108Y -	0.56/	1.51 (	-0.22/	0.59)
31 ACROMION-RADIAL L	.738	0.210X +	0.023Y -	0.29/	1.10 (	-0.11/	0.43)
32 RADIAL-STYLION L	.688	0.171X +	0. Y -	0.42/	0.99 (	-0.16/	0.39)
33 THUMB-TIP REACH	.668	0.448X +	0.061Y +	6.30/	2.89 (	2.48/	1.14)
34 THUMB-TIP, EXTENDED	.623	0.526X +	0.072Y +	4.16/	3.82 (	1.64/	1.50)
35 OVERHEAD REACH	.856	1.319X +	0.028Y +	13.11/	4.43 (	5.16/	1.74)
36 NECK CIRCUMFERENCE	.539	0.060X +	0.133Y +	13.46/	1.41 (	5.30/	0.56)
37 SHOULDER CIRCUMFER	.820	0.121X +	0.699Y +	20.85/	2.94 (	8.21/	1.16)
38 CHEST CIRC AT SCYE	.891	0.056X +	0.759Y +	8.35/	2.26 (	3.29/	0.89)
40 CHEST C BELOW BUST	.836	0.070X +	0.652Y +	2.49/	2.67 (	0.98/	1.05)
41 WAIST CIRCUMFERENCE	.801	0.089X +	0.742Y -	11.76/	3.28 (	-4.63/	1.29)
42 ABDOMINAL EXT CIRC	.739	0.074X +	0.922Y -	7.38/	4.91 (	-2.91/	1.93)
43 HIP C-7" BLW WAIST	.741	0.177X +	0.662Y +	9.60/	3.75 (	3.78/	1.48)
44 HIP C-9" BLW WAIST	.702	0.220X +	0.656Y +	5.79/	4.29 (	2.28/	1.69)
45 UPPER THIGH CIRCUM	.651	0.086X +	0.453Y +	2.86/	3.20 (	1.13/	1.26)

TABLE XXVII
MULTIPLE CORRELATION COEFFICIENTS AND REGRESSION EQUATIONS BASED ON
CERVICAL HEIGHT AND BUST CIRCUMFERENCE

	MULT CORR	- - - EQUATIONS - - -			STD ERR EST	ENGLISH UNITS	
		A	B	C		C	S.E.
46 KNEE CIRCUMFERENCE	.612	0.108X +	0.194Y +	3.86/	1.79 (	1.52/	0.71)
47 CALF CIRCUM, RIGHT	.517	0.070X +	0.175Y +	8.70/	1.92 (	3.42/	0.76)
48 CALF CIRCUM, LEFT	.507	0.074X +	0.172Y +	8.50/	1.97 (	3.35/	0.77)
49 ANKLE CIRCUMFERENCE	.433	0.065X +	0.060Y +	6.65/	1.16 (	2.62/	0.46)
50 VERTICAL TRUNK CIR	.777	0.599X +	0.558Y +	17.39/	4.32 (	6.85/	1.70)
51 VERTICAL TRK C, SIT	.788	0.669X +	0.485Y +	13.43/	4.04 (	5.29/	1.59)
52 BUTTOCK CIRC, SIT	.748	0.236X +	0.708Y +	3.62/	4.04 (	1.43/	1.59)
53 SCYE CIRCUMFERENCE	.740	0.083X +	0.266Y +	1.68/	1.54 (	0.66/	0.61)
54 AXILLARY ARM CIRC	.777	-0.014X +	0.322Y +	0.50/	1.47 (	0.20/	0.58)
55 BICEPS C, RELAXED, R	.731	-0.019X +	0.258Y +	1.52/	1.57 (	0.50/	0.62)
56 BICEPS C, FLEXED, R	.718	-0.008X +	0.293Y +	1.62/	1.61 (	0.54/	0.63)
57 BICEPS C, RELAXED, L	.729	-0.022X +	0.313Y +	0.64/	1.65 (	0.25/	0.65)
58 BICEPS C, FLEXED, L	.727	-0.012X +	0.307Y +	0.66/	1.63 (	0.26/	0.64)
59 ELBOW CIRC, FLEXED	.548	0.103X +	0.115Y +	2.32/	1.49 (	0.91/	0.59)
60 FOREARM C, RELAXED	.676	0.028X +	0.150Y +	4.73/	1.02 (	1.36/	0.40)
61 FOREARM C, FLEXED	.654	0.044X +	0.158Y +	4.67/	1.15 (	1.84/	0.45)
62 WRIST CIRCUMFERENCE	.589	0.045X +	0.049Y +	4.30/	0.57 (	1.69/	0.23)
63 BIACROMIAL BREADTH	.521	0.113X +	0.078Y +	13.12/	1.40 (	5.16/	0.55)
64 BIELTOIC BREADTH	.766	0.047X +	0.256Y +	8.77/	1.49 (	3.45/	0.59)
65 CHEST BREADTH	.740	0.031X +	0.239Y +	2.24/	1.29 (	0.88/	0.51)
66 BUST PT-BUST PT BR	.720	0.008X +	0.193Y +	0.10/	1.07 (	0.04/	0.42)
67 WAIST BREADTH	.725	0.059X +	0.225Y -	4.27/	1.33 (	-1.68/	0.52)
68 HIP BREADTH	.590	0.088X +	0.192Y +	5.49/	1.79 (	2.16/	0.70)
69 THIGH-THIGH BR, SIT	.607	0.049X +	0.288Y +	5.53/	2.27 (	2.18/	0.89)
70 HUMERAL BREADTH, R	.553	0.023X +	0.015Y +	1.59/	0.26 (	0.62/	0.10)
71 HUMERAL BREADTH, L	.554	0.023X +	0.014Y +	1.64/	0.25 (	0.55/	0.10)
72 FEMORAL BREADTH, R	.429	0.022X +	0.021Y +	3.17/	0.41 (	1.25/	0.16)
73 FEMORAL BREADTH, L	.446	0.022X +	0.022Y +	3.10/	0.39 (	1.22/	0.15)
74 CHEST DEPTH	.880	0.005X +	0.297Y -	3.70/	0.92 (	-1.46/	0.36)
75 WAIST DEPTH	.723	0.006X +	0.210Y -	2.66/	1.15 (	-1.05/	0.45)
76 ABDOMINAL EXT DPTH	.734	0.013X +	0.269Y -	5.06/	1.44 (	-1.99/	0.57)
77 BUTTOCK DEPTH	.665	0.026X +	0.200Y -	0.41/	1.34 (	-0.16/	0.53)
78 THIGH CLEARANCE	.590	0.078X +	0.088Y -	6.32/	1.01 (	-2.49/	0.40)
79 SHOULDER LENGTH	.377	0.067X +	0.009Y +	4.53/	0.95 (	1.78/	0.37)
80 NECK-BUST POINT L	.651	0.038X +	0.203Y +	1.99/	1.43 (	0.78/	0.56)
81 STRAP LENGTH	.713	0.101X +	0.456Y +	10.25/	2.75 (	4.03/	1.08)
82 INTERSCYE	.576	0.019X +	0.241Y +	10.79/	2.00 (	4.25/	0.79)
83 INTERSCYE, MAXIMUM	.553	0.147X +	0.250Y +	6.50/	2.74 (	2.56/	1.08)
84 BACK CURVATURE	.630	0.044X +	0.323Y +	7.04/	2.37 (	2.77/	0.93)
85 WAIST BACK	.611	0.250X -	0.019Y +	7.42/	1.75 (	2.92/	0.69)
86 ANTERIOR WAIST LTH	.525	0.127X +	0.104Y +	6.57/	1.66 (	2.59/	0.66)
87 SLEEVE INSEAM	.739	0.333X -	0.054Y +	2.62/	1.63 (	1.03/	0.64)
88 SPINE-TO-SCYE LGTH	.448	0.039X +	0.091Y +	6.77/	1.21 (	2.67/	0.48)
89 SPINE-TO-ELBOW LTH	.716	0.269X +	0.100Y +	6.90/	1.68 (	2.72/	0.66)
90 SPINE-TO-WRIST LTH	.786	0.434X +	0.100Y +	10.20/	2.05 (	4.02/	0.81)

TABLE XXVII
MULTIPLE CORRELATION COEFFICIENTS AND REGRESSION EQUATIONS BASED ON
CERVICAL HEIGHT AND BUST CIRCUMFERENCE

	MULT CORR	- - - EQUATIONS - - -			STD ERR EST	ENGLISH UNITS	
		A	B	C		C	S.E.
91 HAND LENGTH	.605	0.103X +	0.006Y +	3.51/	0.76 (	1.38/	0.30)
92 HAND BREADTH	.423	0.023X +	0.014Y +	3.10/	0.35 (	1.22/	0.14)
93 HAND CIRCUMFERENCE	.460	0.047X +	0.046Y +	7.65/	0.81 (	3.01/	0.32)
94 FOOT LENGTH	.703	0.137X +	0.020Y +	3.20/	0.80 (	1.26/	0.32)
95 FOOT BREADTH	.366	0.028X +	0.011Y +	3.98/	0.46 (	1.57/	0.18)
96 HEAD LENGTH	.326	0.032X +	0.016Y +	12.52/	0.64 (	4.93/	0.25)
97 HEAD BREADTH	.262	0.006X +	0.025Y +	11.44/	0.57 (	4.50/	0.23)
98 HEAD CIRCUMFERENCE	.367	0.075X +	0.059Y +	39.13/	1.51 (	15.41/	0.59)
99 TRAGION-TOP HEAD	.227	0.025X +	0.013Y +	8.08/	0.74 (	3.18/	0.29)
100 ECTOCANTHUS-TOP HD	.200	0.031X +	0.005Y +	7.00/	0.90 (	2.76/	0.35)
101 PRONASALE-TOP HEAD	.200	0.042X +	0.002Y +	8.73/	1.15 (	3.44/	0.45)
102 SUBNASALE-TOP HEAD	.245	0.048X +	0.004Y +	8.87/	1.06 (	3.49/	0.42)
103 STOMION-TOP HEAD	.254	0.051X +	0.003Y +	10.46/	1.08 (	4.12/	0.43)
104 MENTON-TOP HEAD	.320	0.062X +	0.011Y +	12.29/	1.08 (	4.84/	0.42)
105 TRAGION TO WALL	.223	0.025X +	0.020Y +	4.90/	0.88 (	1.93/	0.35)
106 ECTOCANTHUS-WALL	.289	0.035X +	0.027Y +	9.07/	0.93 (	3.57/	0.37)
107 PRONASALE TO WALL	.348	0.041X +	0.034Y +	12.43/	0.90 (	4.89/	0.35)
108 SUBNASALE TO WALL	.303	0.035X +	0.032Y +	11.92/	0.94 (	4.69/	0.37)
109 LIP PROTRUSION-WALL	.252	0.026X +	0.033Y +	12.72/	1.02 (	5.01/	0.40)
110 MENTON TO WALL	.294	0.013X +	0.054Y +	11.58/	1.09 (	4.56/	0.43)
111 SAGITTAL CURVATURE	.261	0.059X +	0.025Y +	24.33/	1.44 (	9.58/	0.57)
112 BITRAGION-CORONAL	.268	0.043X +	0.041Y +	24.26/	1.35 (	9.55/	0.53)
113 BIOCLAR BREADTH	.228	0.016X +	0.009Y +	6.64/	0.48 (	2.61/	0.19)
114 BIAURICULAR BRDTH	.188	0.018X +	0.022Y +	11.35/	0.93 (	4.47/	0.37)
115 BITRAGION BREADTH	.341	0.014X +	0.024Y +	8.79/	0.47 (	3.46/	0.18)
116 BIZYGOMATIC BRDTH	.305	0.015X +	0.024Y +	8.66/	0.55 (	3.41/	0.22)
117 BIGONIAL BREADTH	.315	0.008X +	0.028Y +	6.56/	0.53 (	2.58/	0.21)
118 NASAL BREADTH	.071	0.002X +	0.003Y +	2.65/	0.33 (	1.04/	0.13)
119 LIP LENGTH	.086	0.005X +	0.003Y +	3.41/	0.42 (	1.34/	0.17)
120 MENTON-SUBNASALE L	.190	0.013X +	0.008Y +	3.01/	0.50 (	1.19/	0.20)
121 MENTON-SELLION LTH	.278	0.025X +	0.013Y +	5.98/	0.59 (	2.36/	0.23)
122 SUBNASALE-SELLION	.188	0.011X +	0.006Y +	2.48/	0.40 (	0.98/	0.16)
123 EAR LENGTH	.282	0.008X +	0.019Y +	2.42/	0.43 (	0.95/	0.17)
124 EAR BREADTH	.133	0.005X +	0.005Y +	1.84/	0.33 (	0.72/	0.13)

TABLE XXVII
MULTIPLE CORRELATION COEFFICIENTS AND REGRESSION EQUATIONS BASED ON
CERVICAL HEIGHT AND WAIST CIRCUMFERENCE

	MULT CORR	- - - EQUATIONS - - -			STD ERR EST	ENGLISH UNITS C S.E.	
		A	B	C			
1 AGE	.236	-0.032X +	0.285Y +	8.73/	6.27 (	3.44/	2.47)
2 WEIGHT (WEIGHT IN LB/IN	.882	0.446X +	1.000Y -	71.62/	3.54		
3 TRICEPS SKINFOLD	.546	2.495X +	5.598Y -	157.71/	7.81)		
4 SUBSCAPULAR SKINFOLD	.668	-0.007X +	0.056Y -	0.89/	0.46 (	-0.35/	0.18)
5 SUPRAILIAC SKINFOLD	.644	-0.016X +	0.062Y -	0.65/	0.36 (	-0.26/	0.14)
		-0.009X +	0.085Y -	2.49/	0.54 (	-0.98/	0.21)
6 MEDIAL CALF SKINFOLD	.296	-0.006X +	0.029Y +	0.48/	0.49 (	0.19/	0.19)
7 STATURE	.977	1.066X -	0.009Y +	14.33/	1.27 (	5.64/	0.50)
8 STATURE, MAXIMUM	.979	1.071X -	0.011Y +	14.41/	1.24 (	5.67/	0.49)
10 ACROMIAL HEIGHT	.965	0.948X +	0.034Y -	2.38/	1.43 (	-0.94/	0.56)
11 SUPRASTERNAL HEIGHT	.972	0.930X +	0.014Y +	1.61/	1.24 (	0.63/	0.49)
12 BUST POINT HEIGHT	.929	0.893X -	0.058Y -	2.09/	1.93 (	-0.82/	0.76)
13 WAIST HEIGHT	.927	0.764X -	0.030Y -	4.05/	1.68 (	-1.59/	0.66)
14 ABDOMINAL EXT HGT	.914	0.749X -	0.065Y -	6.74/	1.79 (	-2.65/	0.71)
15 TROCHANTERIC HEIGHT	.866	0.669X +	0.001Y -	10.52/	2.14 (	-4.14/	0.84)
16 BUTTOCK HEIGHT	.866	0.643X +	0.017Y -	9.13/	2.08 (	-3.59/	0.82)
17 GLUTEAL FURROW HGT	.841	0.615X -	0.044Y -	9.95/	2.14 (	-3.92/	0.84)
18 TIBIALE HEIGHT	.816	0.356X -	0.017Y -	6.43/	1.37 (	-2.53/	0.54)
19 CROTCH HEIGHT	.877	0.648X -	0.029Y -	13.75/	1.94 (	-5.41/	0.76)
20 ANKLE HEIGHT	.329	0.078X +	0.007Y -	0.14/	1.28 (	-0.06/	0.50)
21 LAT'L MALLEOLUS HT	.419	0.045X -	0.001Y +	0.58/	0.53 (	0.23/	0.21)
22 SITTING HT, RELAXED	.735	0.434X -	0.002Y +	24.00/	2.21 (	9.45/	0.87)
23 SITTING HEIGHT	.753	0.429X +	0.010Y +	25.21/	2.09 (	9.93/	0.82)
24 EYE HEIGHT, SITTING	.699	0.387X +	0. Y +	19.84/	2.19 (	7.81/	0.86)
25 MIDSHOULDER HT, SIT	.710	0.325X +	0.048Y +	9.53/	1.87 (	3.75/	0.74)
26 WAIST HGT, SITTING	.408	0.117X +	0.029Y +	5.13/	1.58 (	2.02/	0.62)
27 ELBOW REST HEIGHT	.186	0.081X +	0.005Y +	11.10/	2.42 (	4.37/	0.95)
28 POPLITEAL HEIGHT	.746	0.255X -	0.012Y +	6.36/	1.24 (	2.50/	0.49)
29 BUTTOCK-POPLIT'L L	.702	0.306X +	0.106Y -	2.01/	1.96 (	-0.79/	0.77)
30 BUTTOCK-KNEE LGTH	.829	0.339X +	0.128Y +	1.64/	1.47 (	0.65/	0.58)
31 ACROMION-RADIALE L	.737	0.210X +	0.021Y +	0.36/	1.10 (	0.14/	0.43)
32 RADIALE-STYLION L	.688	0.170X +	0.003Y -	0.48/	0.99 (	-0.19/	0.39)
33 THUMB-TIP REACH	.670	0.443X +	0.076Y +	7.36/	2.88 (	2.90/	1.13)
34 THUMB-TIP, EXTENDED	.625	0.520X +	0.090Y +	5.40/	3.81 (	2.13/	1.50)
35 OVERHEAD REACH	.856	1.317X +	0.032Y +	13.75/	4.43 (	5.42/	1.74)
36 NECK CIRCUMFERENCE	.563	0.053X +	0.149Y +	16.36/	1.39 (	6.44/	0.55)
37 SHOULDER CIRCUMFER	.783	0.109X +	0.695Y +	38.53/	3.20 (	15.17/	1.26)
38 CHEST CIRC AT SCYE	.791	0.060X +	0.697Y +	29.06/	3.04 (	11.44/	1.20)
39 BUST CIRCUMFERENCE	.796	0.034X +	0.818Y +	30.02/	3.45 (	11.82/	1.36)
40 CHEST C BELOW BUST	.794	0.059X +	0.686Y +	20.01/	2.96 (	7.88/	1.16)
42 ABDOMINAL EXT CIRC	.810	0.012X +	1.073Y +	11.87/	4.27 (	4.67/	1.68)
43 HIP C-7" BLW WAIST	.810	0.132X +	0.777Y +	23.05/	3.28 (	9.07/	1.29)
44 HIP C-9" BLW WAIST	.740	0.183X +	0.740Y +	20.07/	4.05 (	7.90/	1.59)
45 UPPER THIGH CIRCUM	.687	0.062X +	0.508Y +	12.71/	3.06 (	5.00/	1.21)

TABLE XXVII
MULTIPLE CORRELATION COEFFICIENTS AND REGRESSION EQUATIONS BASED ON
CERVICALE HEIGHT AND WAIST CIRCUMFERENCE

	MULT CORR	- - - EQUATIONS - - -			STD ERR EST	ENGLISH C	UNITS S.E.
		A	B	C			
46 KNEE CIRCUMFERENCE	.643	0.056X +	0.221Y +	8.09/	1.74 (	3.18/	0.68)
47 CALF CIRCUM, RIGHT	.546	0.060X +	0.199Y +	12.42/	1.88 (	4.89/	0.74)
48 CALF CIRCUM, LEFT	.539	0.063X +	0.197Y +	12.22/	1.92 (	4.81/	0.76)
49 ANKLE CIRCUMFERNCE	.451	0.061X +	0.071Y +	7.82/	1.15 (	3.08/	0.45)
50 VERTICAL TRUNK CIR	.754	0.594X +	0.577Y +	32.97/	4.52 (	12.98/	1.78)
51 VERTICAL TRK C, SIT	.769	0.667X +	0.464Y +	26.04/	4.19 (	10.25/	1.65)
52 BUTTOCK CIRC, SIT	.794	0.194X +	0.805Y +	18.89/	3.70 (	7.44/	1.46)
53 SCYE CIRCUMFERENCE	.734	0.075X +	0.276Y +	8.11/	1.55 (	3.19/	0.61)
54 AXILLARY ARM CIRC	.757	-0.022X +	0.329Y +	8.39/	1.53 (	3.30/	0.60)
55 BICEPS C, RELAXED, R	.724	-0.028X +	0.310Y +	8.68/	1.58 (	3.42/	0.62)
56 BICEPS C, FLEXED, R	.715	-0.018X +	0.307Y +	8.67/	1.62 (	3.41/	0.64)
57 BICEPS C, RELAXED, L	.737	-0.034X +	0.333Y +	8.02/	1.63 (	3.16/	0.64)
58 BICEPS C, FLEXED, L	.726	-0.022X +	0.321Y +	8.03/	1.64 (	3.16/	0.65)
59 ELBOW CIRC, FLEXED	.546	0.099X +	0.121Y +	5.06/	1.49 (	1.99/	0.59)
60 FOREARM C, RELAXED	.694	0.032X +	0.163Y +	8.07/	0.99 (	3.18/	0.39)
61 FOREARM C, FLEXED	.666	0.037X +	0.170Y +	8.40/	1.13 (	3.31/	0.45)
62 WRIST CIRCUMFERNCE	.593	0.043X +	0.052Y +	5.48/	0.57 (	2.16/	0.23)
63 BIACROMIAL BREADTH	.522	0.110X +	0.082Y +	15.02/	1.40 (	5.91/	0.55)
64 BIDELOID BREADTH	.744	0.040X +	0.300Y +	16.14/	1.54 (	6.36/	0.61)
65 CHEST BREADTH	.688	0.029X +	0.230Y +	8.50/	1.39 (	3.35/	0.55)
66 BUST PT-BUST PT BR	.571	0.015X +	0.156Y +	5.96/	1.27 (	2.35/	0.50)
67 WAIST BREADTH	.891	0.032X +	0.304Y -	0.76/	0.88 (	-0.30/	0.35)
68 HIP BREADTH	.627	0.076X +	0.220Y +	9.60/	1.73 (	3.78/	0.68)
69 THIGH-THIGH BR, SIT	.637	0.035X +	0.321Y +	11.75/	2.20 (	4.62/	0.87)
70 HUMERAL BREADTH, R	.536	0.023X +	0.014Y +	1.99/	0.26 (	0.78/	0.10)
71 HUMERAL BREADTH, L	.548	0.023X +	0.014Y +	1.96/	0.25 (	0.77/	0.10)
72 FEMORAL BREADTH, R	.426	0.022X +	0.022Y +	3.58/	0.41 (	1.41/	0.16)
73 FEMORAL BREADTH, L	.446	0.021X +	0.023Y +	3.67/	0.39 (	1.45/	0.15)
74 CHEST DEPTH	.738	0.011X +	0.257Y +	4.84/	1.30 (	1.91/	0.51)
75 WAIST DEPTH	.846	-0.012X +	0.262Y +	1.08/	0.89 (	0.42/	0.35)
76 ABDOMINAL EXT DPTH	.814	-0.006X +	0.316Y +	0.49/	1.23 (	0.19/	0.48)
77 BUTTOCK DEPTH	.708	0.015X +	0.226Y +	3.88/	1.26 (	1.53/	0.50)
78 THIGH CLEARANCE	.598	0.074X +	0.055Y -	4.25/	1.00 (	-1.67/	0.40)
79 SHOULDER LENGTH	.377	0.066X +	0.010Y +	4.80/	0.95 (	1.89/	0.37)
80 NECK-BUST POINT L	.550	0.043X +	0.173Y +	7.88/	1.58 (	3.10/	0.62)
81 STRAP LENGTH	.632	0.105X +	0.410Y +	23.05/	3.04 (	9.08/	1.20)
82 INTERSCYE	.530	0.017X +	0.231Y +	17.17/	2.07 (	6.76/	0.81)
83 INTERSCYE, MAXIMUM	.536	0.143X +	0.249Y +	12.75/	2.77 (	5.02/	1.09)
84 BACK CURVATURE	.599	0.039X +	0.320Y +	15.21/	2.45 (	5.99/	0.96)
85 WAIST BACK	.609	0.244X +	0.001Y +	6.48/	1.76 (	2.55/	0.69)
86 ANTERIOR WAIST LTH	.515	0.125X +	0.102Y +	9.32/	1.68 (	3.67/	0.66)
87 SLEEVE INSEAM	.734	0.332X -	0.044Y +	0.87/	1.64 (	0.34/	0.65)
88 SPINE-TO-SCYE LGTH	.399	0.040X +	0.079Y +	9.49/	1.24 (	3.74/	0.49)
89 SPINE-TO-ELBOW LTH	.705	0.270X +	0.089Y +	9.75/	1.71 (	3.84/	0.67)
90 SPINE-TO-WRIST LTH	.783	0.434X +	0.096Y +	12.72/	2.07 (	5.01/	0.81)

TABLE XXVII
MULTIPLE CORRELATION COEFFICIENTS AND REGRESSION EQUATIONS BASED ON
CERVICALE HEIGHT AND WAIST CIRCUMFERENCE

	MULT CORR	- - - EQUATIONS - - -			STD ERR EST	ENGLISH C	UNITS S.E.
		A	B	C			
91 HAND LENGTH	.605	0.103X +	0.008Y +	3.51/	0.76 (	1.38/	0.30)
92 HAND BREADTH	.412	0.023X +	0.013Y +	3.48/	0.35 (	1.37/	0.14)
93 HAND CIRCUMFERENCE	.455	0.046X +	0.047Y +	8.76/	0.81 (	3.45/	0.32)
94 FOOT LENGTH	.707	0.135X +	0.026Y +	3.53/	0.80 (	1.39/	0.31)
95 FOOT BREADTH	.383	0.027X +	0.016Y +	4.03/	0.46 (	1.59/	0.18)
96 HEAD LENGTH	.306	0.034X +	0.008Y +	13.14/	0.65 (	5.17/	0.25)
97 HEAD BREADTH	.271	0.005X +	0.028Y +	11.94/	0.57 (	4.70/	0.23)
98 HEAD CIRCUMFERENCE	.367	0.073X +	0.062Y +	40.54/	1.51 (	15.96/	0.59)
99 TRAGION-TOP HEAD	.224	0.025X +	0.012Y +	8.44/	0.74 (	3.32/	0.29)
100 ECTOCANTHUS-TOP HD	.198	0.032X +	0.003Y +	7.11/	0.50 (	2.80/	0.35)
101 PRONASALE-TOP HEAD	.201	0.044X -	0.006Y +	9.04/	1.15 (	3.56/	0.45)
102 SUBNASALE-TOP HEAD	.245	0.049X -	0.001Y +	9.16/	1.06 (	3.61/	0.42)
103 STOMION-TOP HEAD	.254	0.052X -	0.003Y +	10.79/	1.08 (	4.25/	0.43)
104 MENTON-TOP HEAD	.319	0.062X +	0.010Y +	12.60/	1.08 (	4.96/	0.43)
105 TRAGION TO WALL	.212	0.026X +	0.017Y +	5.41/	0.88 (	2.13/	0.35)
106 ECTOCANTHUS-WALL	.282	0.035X +	0.026Y +	9.75/	0.93 (	3.84/	0.37)
107 PRONASALE TO WALL	.329	0.042X +	0.029Y +	13.39/	0.91 (	5.27/	0.36)
108 SUBNASALE TO WALL	.295	0.035X +	0.031Y +	12.71/	0.94 (	5.00/	0.37)
109 LIP PROTRUS'N-WALL	.248	0.026X +	0.034Y +	13.40/	1.03 (	5.27/	0.40)
110 MENTON TO WALL	.286	0.012X +	0.055Y +	12.87/	1.09 (	5.07/	0.43)
111 SAGITTAL CURVATURE	.252	0.061X +	0.017Y +	25.15/	1.44 (	9.90/	0.57)
112 BITRAGION-CORONAL	.273	0.041X +	0.045Y +	25.19/	1.35 (	9.92/	0.53)
113 BIOCULAR BREADTH	.230	0.015X +	0.010Y +	6.91/	0.48 (	2.72/	0.19)
114 BIAURICULAR BRDTH	.211	0.015X +	0.029Y +	11.80/	0.93 (	4.64/	0.37)
115 BITRAGION BREADTH	.373	0.012X +	0.029Y +	9.27/	0.46 (	3.65/	0.13)
116 BIZYGOMATIC BRDTH	.332	0.013X +	0.029Y +	9.14/	0.55 (	3.60/	0.21)
117 BIGONIAL BREADTH	.310	0.007X +	0.029Y +	7.26/	0.53 (	2.86/	0.21)
118 NASAL BREADTH	.102	0.001X +	0.006Y +	2.65/	0.33 (	1.04/	0.13)
119 LIP LENGTH	.079	0.005X +	0.002Y +	3.55/	0.42 (	1.40/	0.17)
120 MENTON-SUBNASALE L	.193	0.013X +	0.009Y +	3.13/	0.50 (	1.23/	0.20)
121 MENTON-SELLION LTH	.274	0.025X +	0.012Y +	6.34/	0.59 (	2.50/	0.23)
122 SUBNASALE-SELLION	.180	0.011X +	0.005Y +	2.68/	0.40 (	1.05/	0.16)
123 EAR LENGTH	.265	0.008X +	0.018Y +	2.91/	0.43 (	1.15/	0.17)
124 EAR BREADTH	.129	0.005X +	0.005Y +	1.95/	0.33 (	0.77/	0.13)

TABLE XXVII
MULTIPLE CORRELATION COEFFICIENTS AND REGRESSION EQUATIONS BASED ON
CERVICALE HEIGHT AND HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL

	MULT CORR	- - - EQUATIONS - - -			STD ERR EST	ENGLISH UNITS C S.E.	
		A	B	C			
1 AGE	.234	-0.050X +	0.283Y +	3.89/	6.27 (	1.53/	2.47)
2 WEIGHT	.924	0.351X +	1.077Y -	92.04/	2.88		
(WEIGHT IN LB/IN		1.967X +	6.030Y -	202.96/	6.34)		
3 TRICEPS SKINFOLD	.629	-0.014X +	0.065Y -	2.23/	0.42 (	-0.88/	0.17)
4 SUBSCAPULAR SKINFOLD	.609	-0.018X +	0.056Y -	1.45/	0.38 (	-0.57/	0.15)
5 SUPRAILIA C SKINFOLD	.585	-0.012X +	0.077Y -	3.57/	0.57 (	-1.40/	0.22)
6 MEDIAL CALF SKINFOLD	.394	-0.011X +	0.039Y -	0.53/	0.47 (	-0.21/	0.19)
7 STATURE	.977	1.059X +	0.012Y +	13.57/	1.27 (	5.34/	0.50)
8 STATURE, MAXIMUM	.979	1.065X +	0.008Y +	13.75/	1.24 (	5.42/	0.49)
10 ACROMIAL HEIGHT	.965	0.946X +	0.033Y -	2.91/	1.43 (	-1.15/	0.56)
11 SUPRASTERNAL HT	.972	0.926X +	0.021Y +	1.14/	1.24 (	0.45/	0.49)
12 BUST POINT HEIGHT	.928	0.891X -	0.044Y -	1.58/	1.94 (	-0.62/	0.76)
13 WAIST HEIGHT	.927	0.759X -	0.009Y -	4.53/	1.69 (	-1.78/	0.66)
14 ABDOMINAL EXT HT	.914	0.752X -	0.062Y -	5.72/	1.80 (	-2.25/	0.71)
15 TROCHANTERIC HT	.866	0.676X -	0.017Y -	9.83/	2.13 (	-3.87/	0.84)
16 BUTTOCK HEIGHT	.866	0.653X +	0. Y -	8.68/	2.08 (	-3.42/	0.82)
17 GLUTEAL FURROW HT	.844	0.628X -	0.071Y -	8.07/	2.12 (	-3.18/	0.84)
18 TIBIALE HEIGHT	.816	0.358X -	0.021Y -	5.88/	1.37 (	-2.32/	0.54)
19 CROTCH HEIGHT	.880	0.661X -	0.061Y -	11.79/	1.92 (	-4.64/	0.75)
20 ANKLE HEIGHT	.330	0.084X -	0.011Y +	0.52/	1.28 (	0.21/	0.50)
21 LAT'L MALLEOLUS HT	.419	0.044X +	0.001Y +	0.56/	0.53 (	0.22/	0.21)
22 SITTING HT, RELAXED	.737	0.420X +	0.037Y +	22.35/	2.20 (	8.80/	0.86)
23 SITTING HEIGHT	.757	0.414X +	0.051Y +	23.20/	2.07 (	9.13/	0.81)
24 EYE HEIGHT, SITTING	.704	0.369X +	0.050Y +	17.66/	2.17 (	6.95/	0.86)
25 MIDSHOULDER HT, SIT	.718	0.313X +	0.072Y +	7.69/	1.85 (	3.03/	0.73)
26 WAIST HT, SITTING	.447	0.101X +	0.067Y +	3.04/	1.55 (	1.20/	0.61)
27 ELBOW REST HEIGHT	.205	0.068X +	0.040Y +	9.50/	2.41 (	3.74/	0.95)
28 POPLITEAL HEIGHT	.747	0.259X -	0.021Y +	6.96/	1.24 (	2.74/	0.49)
29 BUTTOCK-POPLIT'L L	.721	0.288X +	0.136Y -	5.11/	1.91 (	-2.01/	0.75)
30 BUTTOCK-KNEE LGTH	.851	0.319X +	0.161Y -	2.05/	1.38 (	-0.81/	0.54)
31 ACROMION-RADIALE L	.735	0.212X +	0.012Y +	0.37/	1.10 (	0.15/	0.43)
32 RADIALE-STYLION L	.688	0.169X +	0.003Y -	0.42/	0.99 (	-0.16/	0.39)
33 THUMB-TIP REACH	.665	0.449X +	0.045Y +	7.42/	2.90 (	2.92/	1.14)
34 THUMB-TIP, EXTENDED	.624	0.517X +	0.082Y +	4.19/	3.81 (	1.65/	1.50)
35 OVERHEAD REACH	.856	1.319X +	0.021Y +	13.66/	4.43 (	5.38/	1.74)
36 NECK CIRCUMFERENCE	.520	0.049X +	0.132Y +	14.57/	1.43 (	5.74/	0.56)
37 SHOULDER CIRCUMFER	.748	0.076X +	0.657Y +	28.31/	3.41 (	11.15/	1.34)
38 CHEST CIRC AT SCYE	.724	0.037X +	0.630Y +	20.11/	3.42 (	7.92/	1.35)
39 BUST CIRCUMFERENCE	.722	0.010X +	0.733Y +	19.70/	3.94 (	7.76/	1.55)
40 CHEST C BELOW BUST	.707	0.044X +	0.600Y +	12.02/	3.44 (	4.73/	1.35)
41 WAIST CIRCUMFERENCE	.800	0.012X +	0.780Y -	7.50/	3.29 (	-2.95/	1.29)
42 ABDOMINAL EXT CIRC	.829	-0.070X +	1.103Y -	7.89/	4.07 (	-3.11/	1.60)
44 HIP C-9" BLW WAIST	.940	0.042X +	0.957Y -	3.93/	2.06 (	-1.55/	0.81)
45 UPPER THIGH CIRCUM	.866	-0.028X +	0.663Y -	2.71/	2.11 (	-1.07/	0.83)

TABLE XXVII
MULTIPLE CORRELATION COEFFICIENTS AND REGRESSION EQUATIONS BASED ON
CERVICAL HEIGHT AND HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL

	MULT CORR	- - - EQUATIONS - - -			STD ERR EST	ENGLISH UNITS	
		A	B	C		C	S.E.
46 KNEE CIRCUMFERENCE	.765	0.058X +	0.285Y +	1.54/	1.46 (	0.61/	0.57)
47 CALF CIRCUM, RIGHT	.674	0.024X +	0.262Y +	6.27/	1.66 (	2.47/	0.65)
48 CALF CIRCUM, LEFT	.673	0.026X +	0.265Y +	5.80/	1.69 (	2.28/	0.66)
49 ANKLE CIRCUMFERENCE	.526	0.047X +	0.097Y +	5.46/	1.10 (	2.15/	0.43)
50 VERTICAL TRUNK CIR	.799	0.521X +	0.674Y +	18.79/	4.13 (	7.40/	1.63)
51 VERTICAL TRK C, SIT	.800	0.609X +	0.539Y +	14.83/	3.94 (	5.84/	1.55)
52 BUTTOCK CIRC, SIT	.935	0.074X +	0.951Y -	3.10/	2.16 (	-1.22/	0.85)
53 SCYE CIRCUMFERENCE	.702	0.062X +	0.260Y +	4.12/	1.63 (	1.62/	0.64)
54 AXILLARY ARM CIRC	.760	-0.045X +	0.331Y +	2.71/	1.52 (	1.07/	0.60)
55 BICEPS C, RELAXED, R	.774	-0.057X +	0.333Y +	2.36/	1.45 (	0.93/	0.57)
56 BICEPS C, FLEXED, R	.763	-0.046X +	0.329Y +	2.39/	1.50 (	0.94/	0.59)
57 BICEPS C, RELAXED, L	.783	-0.064X +	0.354Y +	1.42/	1.50 (	0.56/	0.59)
58 BICEPS C, FLEXED, L	.771	-0.051X +	0.343Y +	1.52/	1.52 (	0.60/	0.60)
59 ELBOW CIRC, FLEXED	.538	0.093X +	0.116Y +	3.17/	1.50 (	1.25/	0.59)
60 FOREARM C, RELAXED	.713	0.019X +	0.169Y +	5.01/	0.97 (	1.97/	0.38)
61 FOREARM C, FLEXED	.684	0.024X +	0.177Y +	5.06/	1.11 (	1.99/	0.44)
62 WRIST CIRCUMFERENCE	.583	0.040X +	0.050Y +	4.71/	0.58 (	1.86/	0.23)
63 BIACROMIAL BREADTH	.510	0.108X +	0.074Y +	13.88/	1.41 (	5.46/	0.56)
64 BIDELOID BREADTH	.727	0.023X +	0.292Y +	11.33/	1.59 (	4.46/	0.63)
65 CHEST BREADTH	.637	0.021X +	0.210Y +	5.41/	1.48 (	2.13/	0.58)
66 BUST PT-BUST PT BR	.511	0.011X +	0.137Y +	4.17/	1.33 (	1.64/	0.52)
67 WAIST BREADTH	.727	0.035X +	0.238Y -	3.03/	1.33 (	-1.19/	0.52)
68 HIP BREADTH	.638	0.025X +	0.323Y +	1.24/	1.21 (	0.49/	0.48)
69 THIGH-THIGH BR, SIT	.845	-0.030X +	0.442Y +	0.98/	1.53 (	0.39/	0.60)
70 HUMERAL BREADTH, R	.549	0.021X +	0.015Y +	1.81/	0.26 (	0.71/	0.10)
71 HUMERAL BREADTH, L	.557	0.022X +	0.015Y +	1.63/	0.25 (	0.64/	0.10)
72 FEMORAL BREADTH, R	.454	0.019X +	0.026Y +	3.04/	0.40 (	1.20/	0.16)
73 FEMORAL BREADTH, L	.478	0.018X +	0.027Y +	3.11/	0.38 (	1.22/	0.15)
74 CHEST DEPTH	.677	0.003X +	0.233Y +	1.41/	1.42 (	0.55/	0.56)
75 WAIST DEPTH	.696	-0.012X +	0.212Y -	1.17/	1.20 (	-0.46/	0.47)
76 ABDOMINAL EXT DPTH	.778	-0.022X +	0.302Y -	4.33/	1.33 (	-1.70/	0.52)
77 BUTTOCK DEPTH	.821	-0.015X +	0.268Y -	1.85/	1.02 (	-0.73/	0.40)
78 THIGH CLEARANCE	.667	0.059X +	0.113Y -	6.92/	0.93 (	-2.72/	0.37)
79 SHOULDER LENGTH	.377	0.065X +	0.010Y +	4.68/	0.95 (	1.84/	0.37)
80 NECK-BUST POINT L	.513	0.036X +	0.158Y +	5.69/	1.62 (	2.24/	0.64)
81 STRAP LENGTH	.588	0.091X +	0.373Y +	17.63/	3.17 (	6.94/	1.25)
82 INTERSCYE	.483	0.010X +	0.207Y +	14.28/	2.14 (	5.62/	0.84)
83 INTERSCYE, MAXIMUM	.520	0.131X +	0.235Y +	9.15/	2.81 (	3.60/	1.11)
84 BACK CURVATURE	.557	0.027X +	0.294Y +	10.86/	2.54 (	4.27/	1.00)
85 WAIST BACK	.610	0.249X -	0.013Y +	7.07/	1.76 (	2.78/	0.69)
86 ANTERIOR WAIST LTH	.485	0.127X +	0.079Y +	8.50/	1.71 (	3.35/	0.67)
87 SLEEVE INSEAM	.737	0.337X -	0.053Y +	2.18/	1.63 (	0.86/	0.64)
88 SPINE-TO-SCYE LGTH	.380	0.037X +	0.073Y +	8.38/	1.26 (	3.30/	0.49)
89 SPINE-TO-ELBOW LTH	.705	0.264X +	0.088Y +	8.33/	1.71 (	3.28/	0.67)
90 SPINE-TO-WRIST LTH	.781	0.429X +	0.090Y +	11.44/	2.07 (	4.50/	0.82)

TABLE XXVII
MULTIPLE CORRELATION COEFFICIENTS AND REGRESSION EQUATIONS BASED ON
CERVICAL HEIGHT AND HIP CIRCUMFERENCE—SEVEN INCHES BELOW WAIST LEVEL

	MULT CORR	- - - EQUATIONS - - -			STD ERR EST	ENGLISH UNITS	
		A	B	C		C	S.E.
91 HAND LENGTH	.604	0.104X +	0.003Y +	3.63/	0.76 (	1.43/	0.30)
92 HAND BREADTH	.408	0.022X +	0.012Y +	3.37/	0.36 (	1.33/	0.14)
93 HAND CIRCUMFERENCE	.436	0.045X +	0.042Y +	8.12/	0.82 (	3.20/	0.32)
94 FOOT LENGTH	.705	0.134X +	0.024Y +	3.17/	0.80 (	1.25/	0.31)
95 FOOT BREADTH	.392	0.025X +	0.018Y +	3.70/	0.46 (	1.46/	0.18)
96 HEAD LENGTH	.316	0.032X +	0.013Y +	12.74/	0.64 (	5.02/	0.25)
97 HEAD BREADTH	.252	0.004X +	0.025Y +	11.62/	0.58 (	4.57/	0.23)
98 HEAD CIRCUMFERENCE	.368	0.068X +	0.062Y +	39.59/	1.51 (	15.59/	0.59)
99 TRAGION-TOP HEAD	.223	0.025X +	0.012Y +	8.12/	0.74 (	3.20/	0.29)
100 ECTOCANTHUS-TOP HD	.198	0.032X +	0.002Y +	7.12/	0.90 (	2.80/	0.35)
101 PRONASALE-TOP HEAD	.199	0.043X -	0.002Y +	8.96/	1.15 (	3.53/	0.45)
102 SUBNASALE-TOP HEAD	.245	0.048X +	0.002Y +	9.04/	1.06 (	3.56/	0.42)
103 STOMION-TOP HEAD	.254	0.052X +	0. Y +	10.59/	1.08 (	4.17/	0.43)
104 MENTON-TOP HEAD	.320	0.061X +	0.012Y +	12.29/	1.08 (	4.84/	0.42)
105 TRAGION TO WALL	.215	0.024X +	0.018Y +	5.15/	0.88 (	2.03/	0.35)
106 ECTOCANTHUS-WALL	.286	0.033X +	0.028Y +	9.15/	0.93 (	3.60/	0.37)
107 PRONASALE TO WALL	.338	0.039X +	0.032Y +	12.76/	0.90 (	5.03/	0.36)
108 SUBNASALE TO WALL	.295	0.033X +	0.031Y +	12.17/	0.94 (	4.79/	0.37)
109 LIP PROTRUSION-WALL	.240	0.024X +	0.031Y +	13.06/	1.03 (	5.14/	0.40)
110 MENTON TO WALL	.271	0.010X +	0.051Y +	12.07/	1.09 (	4.75/	0.43)
111 SAGITTAL CURVATURE	.257	0.058X +	0.022Y +	24.65/	1.44 (	9.71/	0.57)
112 BITRAGION-CORONAL	.260	0.040X +	0.040Y +	24.61/	1.36 (	9.69/	0.53)
113 BIOCULAR BREADTH	.224	0.015X +	0.009Y +	6.74/	0.48 (	2.65/	0.19)
114 BIAURICULAR BRDTH	.192	0.015X +	0.024Y +	11.50/	0.93 (	4.53/	0.37)
115 BITRAGION BREADTH	.348	0.011X +	0.026Y +	8.92/	0.47 (	3.51/	0.18)
116 BIZYGOMATIC BRDTH	.309	0.012X +	0.026Y +	8.79/	0.55 (	3.46/	0.22)
117 BIGONIAL BREADTH	.285	0.006X +	0.026Y +	6.92/	0.54 (	2.72/	0.21)
118 NASAL BREADTH	.057	0.002X +	0.002Y +	2.73/	0.33 (	1.07/	0.13)
119 LIP LENGTH	.074	0.006X +	0. Y +	3.54/	0.42 (	1.39/	0.17)
120 MENTON-SUBNASALE L	.192	0.013X +	0.009Y +	2.89/	0.50 (	1.14/	0.20)
121 MENTON-SELLION LTH	.272	0.024X +	0.011Y +	6.26/	0.59 (	2.46/	0.23)
122 SUBNASALE-SELLION	.179	0.011X +	0.005Y +	2.55/	0.40 (	1.00/	0.16)
123 EAR LENGTH	.255	0.007X +	0.017Y +	2.67/	0.43 (	1.05/	0.17)
124 EAR BREADTH	.126	0.004X +	0.005Y +	1.96/	0.33 (	0.77/	0.13)

TABLE XXVII
MULTIPLE CORRELATION COEFFICIENTS AND REGRESSION EQUATIONS BASED ON
WAIST HEIGHT AND WEIGHT

	MULT CORR	- - - EQUATIONS - - -			S.E. EST.	ENGLISH UNITS	
		A	B	C		B	C
1 AGE	.238	-0.137X+	0.232Y+	23.79/	6.27	(+ 0.041Y+	9.42)
3 TRICEPS SKINFOLD	.649	-0.036X+	0.054Y+	2.40/	0.41	(+ 0.010Y+	0.90)
4 SUBSCAPULAR SKINFOLD	.636	-0.036X+	0.047Y+	2.19/	0.37	(+ 0.008Y+	0.91)
5 SUPRAILIAC SKINFOLD	.618	-0.037X+	0.065Y+	1.93/	0.55	(+ 0.012Y+	0.71)
6 MEDIAL CALF SKINFOLD	.412	-0.026X+	0.033Y+	2.30/	0.47	(+ 0.006Y+	0.89)
7 STATURE	.918	1.150X+	0.084Y+	41.34/	2.38	(+ 0.015Y+	16.51)
8 STATURE, MAXIMUM	.920	1.157X+	0.083Y+	41.94/	2.35	(+ 0.015Y+	16.49)
9 CERVICAL HEIGHT	.931	1.072X+	0.078Y+	27.20/	2.01	(+ 0.014Y+	10.70)
10 ACROMIAL HEIGHT	.926	1.042X+	0.093Y+	22.01/	2.07	(+ 0.017Y+	8.61)
11 SUPRASTERNAL HEIGHT	.936	1.026X+	0.085Y+	24.21/	1.86	(+ 0.015Y+	9.56)
12 BUST POINT HEIGHT	.897	1.031X+	0.011Y+	14.30/	2.30	(+ 0.002Y+	5.62)
14 ABDOMINAL EXT HGT	.948	0.956X-	0.031Y-	0.93/	1.41	(- 0.005Y-	0.43)
15 TROCHANTERIC HEIGHT	.897	0.841X+	0.011Y-	2.30/	1.89	(+ 0.002Y-	0.91)
16 BUTTOCK HEIGHT	.890	0.807X+	0.019Y+	0.19/	1.90	(+ 0.003Y+	0.13)
17 GLUTEAL FURROW HGT	.867	0.798X-	0.044Y-	4.78/	1.97	(- 0.008Y-	1.87)
18 TIBIALE HEIGHT	.831	0.441X-	0.002Y-	2.13/	1.32	(- 0. Y-	0.88)
19 CROTCH HEIGHT	.910	0.827X-	0.015Y-	7.56/	1.67	(- 0.003Y-	2.94)
20 ANKLE HEIGHT	.314	0.094X+	0. Y+	1.76/	1.29	(+ 0. Y+	0.69)
21 LAT'L MALLEOLUS HT	.411	0.049X+	0.005Y+	1.57/	0.54	(+ 0.001Y+	0.61)
22 SITTING HT, RELAXED	.622	0.357X+	0.089Y+	43.35/	2.55	(+ 0.016Y+	17.05)
23 SITTING HEIGHT	.641	0.344X+	0.101Y+	45.28/	2.43	(+ 0.018Y+	17.83)
24 EYE HEIGHT, SITTING	.595	0.307X+	0.091Y+	37.67/	2.46	(+ 0.016Y+	14.86)
25 MIDSHOULDER HT, SIT	.613	0.244X+	0.103Y+	27.59/	2.10	(+ 0.018Y+	10.91)
26 WAIST HEIGHT, SITTING	.465	0.115X+	0.055Y+	8.66/	1.54	(+ 0.010Y+	3.39)
27 ELBOW REST HEIGHT	.165	-0.025X+	0.060Y+	21.75/	2.43	(+ 0.011Y+	8.53)
28 POPLITEAL HEIGHT	.762	0.318X-	0.003Y+	9.33/	1.20	(- 0. Y+	3.61)
29 BUTTOCK-POPLIT'L L	.751	0.349X+	0.104Y+	6.72/	1.82	(+ 0.019Y+	2.59)
30 BUTTOCK-KNEE LENGTH	.877	0.361X+	0.126Y+	13.39/	1.27	(+ 0.024Y+	5.31)
31 ACROMION-RADIAL L	.752	0.253X+	0.020Y+	4.48/	1.07	(+ 0.004Y+	1.71)
32 RADIAL-STYLEL L	.700	0.207X+	0.007Y+	2.23/	0.93	(+ 0.001Y+	0.91)
33 THUMB-TIP REACH	.664	0.500X+	0.074Y+	19.72/	2.90	(+ 0.013Y+	7.79)
34 THUMB-TIP, EXTENDED	.628	0.580X+	0.102Y+	19.79/	3.80	(+ 0.018Y+	7.82)
35 OVERHEAD REACH	.839	1.499X+	0.107Y+	42.74/	4.66	(+ 0.019Y+	16.84)
36 NECK CIRCUMFERENCE	.583	-0.012X+	0.134Y+	27.23/	1.36	(+ 0.024Y+	10.71)
37 SHOULDER CIRCUMFER	.844	-0.161X+	0.619Y+	80.86/	2.76	(+ 0.111Y+	31.78)
38 CHEST CIRC AT SCYE	.817	-0.192X+	0.588Y+	69.60/	2.86	(+ 0.105Y+	27.40)
39 BUST CIRCUMFERENCE	.820	-0.253X+	0.686Y+	77.04/	3.26	(+ 0.123Y+	30.27)
40 CHEST C BELOW BUST	.805	-0.193X+	0.569Y+	60.87/	2.89	(+ 0.102Y+	23.91)
41 WAIST CIRCUMFERENCE	.848	-0.276X+	0.683Y+	55.50/	2.91	(+ 0.122Y+	21.84)
42 ABDOMINAL EXT CIRC	.820	-0.384X+	0.883Y+	73.23/	4.16	(+ 0.158Y+	28.79)
43 HIP C-7" BLW WAIST	.903	-0.207X+	0.725Y+	72.59/	2.40	(+ 0.129Y+	28.64)
44 HIP C-9" BLW WAIST	.893	-0.183X+	0.764Y+	69.57/	2.70	(+ 0.136Y+	27.44)
45 UPPER THIGH CIRCUM	.862	-0.205X+	0.533Y+	45.30/	2.14	(+ 0.095Y+	17.86)

TABLE XXVII
MULTIPLE CORRELATION COEFFICIENTS AND REGRESSION EQUATIONS BASED ON
WAIST HEIGHT AND WEIGHT

	MULT CORR	- - - EQUATIONS - - -			S.E. EST.	ENGLISH UNITS	
		A	B	C		B	C
46 KNEE CIRCUMFERENCE	.822	-0.036X+	0.258Y+	25.03/	1.29	(+ 0.046Y+	9.87)
47 CALF CIRCUM, RIGHT	.767	-0.084X+	0.250Y+	28.15/	1.44	(+ 0.045Y+	11.04)
48 CALF CIRCUM, LEFT	.760	-0.082X+	0.251Y+	27.98/	1.48	(+ 0.045Y+	10.99)
49 ANKLE CIRCUMFERENCE	.591	-0.003X+	0.102Y+	15.50/	1.04	(+ 0.018Y+	6.13)
50 VERTICAL TRUNK CIR	.797	0.224X+	0.653Y+	94.31/	4.15	(+ 0.117Y+	37.08)
51 VERTICAL TRK C, SIT	.770	0.377X+	0.531Y+	81.64/	4.18	(+ 0.095Y+	32.12)
52 BUTTOCK CIRC, SIT	.910	-0.158X+	0.780Y+	70.86/	2.53	(+ 0.139Y+	27.94)
53 SCYE CIRCUMFERENCE	.778	-0.030X+	0.245Y+	25.98/	1.44	(+ 0.044Y+	10.20)
54 AXILLARY ARM CIRC	.843	-0.171X+	0.258Y+	27.40/	1.26	(+ 0.053Y+	10.82)
55 BICEPS C, RELAXED, R	.865	-0.189X+	0.301Y+	27.21/	1.15	(+ 0.054Y+	10.68)
56 BICEPS C, FLEXED, R	.860	-0.178X+	0.301Y+	27.29/	1.18	(+ 0.054Y+	10.71)
57 BICEPS C, RELAXED, L	.868	-0.198X+	0.317Y+	27.24/	1.20	(+ 0.057Y+	10.67)
58 BICEPS C, FLEXED, L	.859	-0.183X+	0.309Y+	27.07/	1.22	(+ 0.055Y+	10.68)
59 ELBOW CIRC, FLEXED	.583	0.052X+	0.120Y+	14.84/	1.45	(+ 0.021Y+	5.90)
60 FOREARM C, RELAXED	.821	-0.051X+	0.163Y+	19.19/	0.79	(+ 0.029Y+	7.57)
61 FOREARM C, FLEXED	.791	-0.052X+	0.173Y+	20.21/	0.93	(+ 0.031Y+	7.94)
62 WRIST CIRCUMFERENCE	.652	0.016X+	0.056Y+	10.13/	0.54	(+ 0.010Y+	3.99)
63 BIACROMIAL BREADTH	.530	0.079X+	0.085Y+	23.02/	1.39	(+ 0.015Y+	9.09)
64 BIELTOID BREADTH	.811	-0.084X+	0.271Y+	34.67/	1.36	(+ 0.048Y+	13.70)
65 CHEST BREADTH	.711	-0.060X+	0.196Y+	22.71/	1.35	(+ 0.035Y+	8.94)
66 BUST PT-BUST PT BR	.593	-0.037X+	0.132Y+	14.63/	1.25	(+ 0.023Y+	5.83)
67 WAIST BREADTH	.774	-0.050X+	0.213Y+	16.86/	1.22	(+ 0.038Y+	6.64)
68 HIP BREADTH	.774	-0.042X+	0.240Y+	25.34/	1.40	(+ 0.043Y+	9.96)
69 THIGH-THIGH BR, SIT	.809	-0.149X+	0.342Y+	33.41/	1.68	(+ 0.061Y+	13.16)
70 HUMERAL BREADTH, R	.575	0.016X+	0.017Y+	3.55/	0.25	(+ 0.003Y+	1.40)
71 HUMERAL BREADTH, L	.580	0.016X+	0.017Y+	3.52/	0.25	(+ 0.003Y+	1.39)
72 FEMORAL BREADTH, R	.493	0.009X+	0.027Y+	5.66/	0.39	(+ 0.005Y+	2.20)
73 FEMORAL BREADTH, L	.519	0.008X+	0.028Y+	5.72/	0.37	(+ 0.005Y+	2.25)
74 CHEST DEPTH	.760	-0.076X+	0.214Y+	18.92/	1.26	(+ 0.038Y+	7.48)
75 WAIST DEPTH	.766	-0.091X+	0.191Y+	15.13/	1.07	(+ 0.034Y+	5.97)
76 ABDOMINAL EXT DPTH	.819	-0.115X+	0.257Y+	17.60/	1.22	(+ 0.046Y+	6.92)
77 BUTTOCK DEPTH	.825	-0.083X+	0.216Y+	17.02/	1.01	(+ 0.039Y+	6.65)
78 THIGH CLEARANCE	.721	0.033X+	0.109Y+	2.84/	0.87	(+ 0.019Y+	1.18)
79 SHOULDER LENGTH	.357	0.060X+	0.019Y+	7.55/	0.95	(+ 0.003Y+	3.02)
80 NECK-BUST POINT L	.577	-0.033X+	0.154Y+	19.92/	1.54	(+ 0.027Y+	7.91)
81 STRAP LENGTH	.659	-0.075X+	0.364Y+	51.75/	2.95	(+ 0.065Y+	20.38)
82 INTERSCYE	.547	-0.073X+	0.195Y+	31.13/	2.04	(+ 0.035Y+	12.23)
83 INTERSCYE, MAXIMUM	.555	0.046X+	0.228Y+	31.63/	2.73	(+ 0.041Y+	12.42)
84 BACK CURVATURE	.617	-0.090X+	0.273Y+	35.43/	2.40	(+ 0.049Y+	13.92)
85 WAIST BACK	.412	0.161X+	0.040Y+	22.06/	2.02	(+ 0.007Y+	8.70)
86 ANTERIOR WAIST LTH	.459	-0.006X+	0.121Y+	27.20/	1.74	(+ 0.022Y+	10.66)
87 SLEEVE INSEAM	.742	0.423X-	0.033Y+	3.61/	1.62	(- 0.006Y+	1.44)
88 SPINE-TO-SCYE LGTH	.430	0.006X+	0.076Y+	15.38/	1.23	(+ 0.014Y+	6.00)
89 SPINE-TO-ELBOW LTH	.716	0.268X+	0.102Y+	20.56/	1.68	(+ 0.018Y+	8.12)
90 SPINE-TO-WRIST LTH	.791	0.469X+	0.111Y+	26.15/	2.03	(+ 0.020Y+	10.27)

TABLE XXVII
MULTIPLE CORRELATION COEFFICIENTS AND REGRESSION EQUATIONS BASED ON
WAIST HEIGHT AND WEIGHT

	MULT CORR	- - - EQUATIONS - - -			S.E. EST.	ENGLISH UNITS	
		A	B	C		B	C
91 HAND LENGTH	.610	0.117X+	0.014Y+	5.84/	0.76	(+ 0.003Y+	2.24)
92 HAND BREADTH	.444	0.015X+	0.017Y+	5.07/	0.35	(+ 0.003Y+	2.00)
93 HAND CIRCUMFERENCE	.503	0.020X+	0.054Y+	13.20/	0.78	(+ 0.010Y+	5.15)
94 FOOT LENGTH	.708	0.142X+	0.034Y+	7.87/	0.80	(+ 0.006Y+	3.11)
95 FOOT BREADTH	.427	0.021X+	0.020Y+	5.61/	0.45	(+ 0.004Y+	2.15)
96 HEAD LENGTH	.347	0.029X+	0.019Y+	14.41/	0.64	(+ 0.003Y+	5.72)
97 HEAD BREADTH	.291	-0.004X+	0.024Y+	13.53/	0.57	(+ 0.004Y+	5.36)
98 HEAD CIRCUMFERENCE	.421	0.051X+	0.072Y+	45.60/	1.47	(+ 0.013Y+	17.93)
99 TRAGION-TOP HEAD	.247	0.021X+	0.016Y+	9.70/	0.74	(+ 0.003Y+	3.80)
100 ECTOCANTHUS-TOP HD	.211	0.030X+	0.012Y+	8.06/	0.90	(+ 0.002Y+	3.19)
101 PRONASALE-TOP HEAD	.201	0.042X+	0.010Y+	9.97/	1.15	(+ 0.002Y+	3.90)
102 SUBNASALE-TOP HEAD	.247	0.046X+	0.013Y+	10.55/	1.06	(+ 0.002Y+	4.19)
103 STOMION-TOP HEAD	.256	0.051X+	0.013Y+	11.96/	1.08	(+ 0.002Y+	4.75)
104 MENTON-TOP HEAD	.333	0.056X+	0.025Y+	14.85/	1.07	(+ 0.004Y+	5.91)
105 TRAGION TO WALL	.227	0.023X+	0.018Y+	6.83/	0.88	(+ 0.003Y+	2.72)
106 ECTOCANTHUS-WALL	.312	0.028X+	0.029Y+	11.89/	0.92	(+ 0.005Y+	4.70)
107 PRONASALE TO WALL	.369	0.032X+	0.034Y+	16.02/	0.89	(+ 0.006Y+	6.32)
108 SUBNASALE TO WALL	.331	0.028X+	0.032Y+	15.01/	0.93	(+ 0.006Y+	5.87)
109 LIP PROTRUS'N-WALL	.280	0.021X+	0.032Y+	15.35/	1.02	(+ 0.006Y+	6.01)
110 MENTON TO WALL	.303	-0.002X+	0.046Y+	15.78/	1.08	(+ 0.008Y+	6.24)
111 SAGITTAL CURVATURE	.263	0.044X+	0.034Y+	28.41/	1.44	(+ 0.006Y+	11.20)
112 BITRAGION-CORONAL	.311	0.025X+	0.049Y+	28.59/	1.33	(+ 0.009Y+	11.22)
113 BIOCULAR BREADTH	.258	0.014X+	0.011Y+	7.63/	0.48	(+ 0.002Y+	3.00)
114 BIAURICULAR BROTH	.218	0.008X+	0.025Y+	13.59/	0.93	(+ 0.004Y+	5.41)
115 BITRAGION BREADTH	.393	0.004X+	0.025Y+	11.05/	0.46	(+ 0.004Y+	4.41)
116 BIZYGOMATIC BRDTH	.359	0.004X+	0.026Y+	11.00/	0.54	(+ 0.005Y+	4.28)
117 BIGONIAL BREADTH	.348	-0.004X+	0.027Y+	9.03/	0.53	(+ 0.005Y+	3.53)
118 NASAL BREADTH	.102	0.002X+	0.004Y+	2.76/	0.33	(+ 0.001Y+	1.05)
119 LIP LENGTH	.102	0.006X+	0.003Y+	3.60/	0.42	(+ 0. Y+	1.49)
120 MENTON-SUBNASALE L	.222	0.009X+	0.012Y+	3.95/	0.50	(+ 0.002Y+	1.57)
121 MENTON-SELLION LTH	.286	0.017X+	0.017Y+	7.94/	0.59	(+ 0.003Y+	3.13)
122 SUBNASALE-SELLION	.178	0.007X+	0.007Y+	3.44/	0.40	(+ 0.001Y+	1.39)
123 EAR LENGTH	.281	0.001X+	0.016Y+	4.21/	0.43	(+ 0.003Y+	1.64)
124 EAR BREADTH	.146	0.004X+	0.005Y+	2.29/	0.33	(+ 0.001Y+	0.89)

TABLE XXVII
MULTIPLE CORRELATION COEFFICIENTS AND REGRESSION EQUATIONS BASED ON
WAIST HEIGHT AND BUST CIRCUMFERENCE

	MULT CORR	-- -- -- EQUATIONS -- -- --			STD ERR EST	ENGLISH UNITS C S.E.	
		A	B	C			
1 AGE	.289	-0.045X +	0.334Y -	2.03/	6.18 (	-0.80/	2.43)
2 WEIGHT	.859	0.543X +	0.951Y -	82.12/	3.84		
(WEIGHT IN LB/IN		3.039X +	5.328Y -	181.06/	8.47)		
3 TRICEPS SKINFOLD	.527	-0.007X +	0.051Y -	1.97/	0.46 (	-0.78/	0.18)
4 SUBSCAPULAR SKINFOLD	.640	-0.014X +	0.056Y -	2.33/	0.37 (	-0.92/	0.15)
5 SUPRAILAC SKINFOLD	.601	-0.005X +	0.075Y -	4.26/	0.56 (	-1.68/	0.22)
6 MEDIAL CALF SKINFOLD	.266	-0.006X +	0.025Y -	0.05/	0.50 (	-0.02/	0.20)
7 STATURE	.914	1.206X +	0.044Y +	37.22/	2.43 (	14.65/	0.96)
8 STATURE, MAXIMUM	.917	1.213X +	0.044Y +	37.16/	2.40 (	14.63/	0.95)
9 CERVICAL HEIGHT	.928	1.124X +	0.044Y +	22.53/	2.06 (	8.87/	0.81)
10 ACROMIAL HEIGHT	.922	1.097X +	0.074Y +	15.21/	2.12 (	5.99/	0.83)
11 SUPRASTERNAL HEIGHT	.932	1.080X +	0.057Y +	18.59/	1.92 (	7.32/	0.75)
12 BUST POINT HEIGHT	.898	1.049X -	0.030Y +	15.82/	2.29 (	6.23/	0.90)
14 ABDOMINAL EXT HEIGHT	.948	0.942X -	0.037Y +	2.01/	1.41 (	0.79/	0.55)
15 TROCHANTERIC HEIGHT	.896	0.851X -	0.001Y -	2.58/	1.89 (	-1.01/	0.74)
16 BUTTOCK HEIGHT	.890	0.817X +	0.020Y -	1.51/	1.90 (	-0.59/	0.75)
17 GLUTEAL FURROW HEIGHT	.865	0.770X -	0.032Y -	1.64/	1.99 (	-0.65/	0.78)
18 TIBIAL HEIGHT	.831	0.439X +	0. Y -	2.04/	1.32 (	-0.80/	0.52)
19 CROTCH HEIGHT	.910	0.820X -	0.020Y -	5.93/	1.67 (	-2.33/	0.66)
20 ANKLE HEIGHT	.316	0.092X +	0.007Y +	1.33/	1.28 (	0.52/	0.51)
21 LAT'L MALLEOLUS HT	.409	0.052X +	0.003Y +	1.29/	0.54 (	0.51/	0.21)
22 SITTING HT, RELAXED	.602	0.416X +	0.050Y +	38.08/	2.60 (	14.99/	1.02)
23 SITTING HEIGHT	.615	0.411X +	0.056Y +	39.36/	2.50 (	15.50/	0.98)
24 EYE HEIGHT, SITTING	.570	0.366X +	0.053Y +	32.25/	2.51 (	12.70/	0.99)
25 MIDSHOULDER HT, SIT	.579	0.308X +	0.073Y +	20.56/	2.17 (	8.10/	0.85)
26 WAIST HEIGHT, SITTING	.448	0.145X +	0.052Y +	4.16/	1.55 (	1.54/	0.61)
27 ELBOW REST HEIGHT	.079	0.016X +	0.029Y +	18.50/	2.45 (	7.28/	0.97)
28 POPLITEAL HEIGHT	.762	0.316X -	0.003Y +	9.63/	1.20 (	3.79/	0.47)
29 BUTTOCK-POPLIT'L L	.733	0.408X +	0.090Y -	1.23/	1.88 (	-0.50/	0.74)
30 BUTTOCK-KNEE LENGTH	.844	0.439X +	0.114Y +	3.18/	1.41 (	1.25/	0.56)
31 ACROMION-RADIAL L	.753	0.262X +	0.028Y +	2.22/	1.07 (	0.87/	0.42)
32 RADIAL-STYLION L	.699	0.211X +	0.004Y +	1.87/	0.93 (	0.74/	0.39)
33 THUMB-TIP REACH	.661	0.540X +	0.074Y +	13.34/	2.91 (	5.25/	1.15)
34 THUMB-TIP, EXTENDED	.621	0.639X +	0.086Y +	12.04/	3.82 (	4.74/	1.51)
35 OVERHEAD REACH	.836	1.567X +	0.070Y +	35.81/	4.70 (	14.10/	1.85)
36 NECK CIRCUMFERENCE	.526	0.057X +	0.138Y +	15.65/	1.43 (	6.16/	0.56)
37 SHOULDER CIRCUMFER	.819	0.140X +	0.704Y +	23.21/	2.95 (	9.14/	1.16)
38 CHEST CIRC AT SCYE	.890	0.066X +	0.761Y +	9.35/	2.26 (	3.68/	0.89)
40 CHEST C BELOW BUST	.834	0.069X +	0.697Y +	4.87/	2.68 (	1.92/	1.06)
41 WAIST CIRCUMFERENCE	.797	0.063X +	0.753Y -	6.68/	3.30 (	-2.63/	1.30)
42 ABDOMINAL EXT CIRC	.738	0.069X +	0.928Y -	4.54/	4.91 (	-1.79/	1.93)
43 HIP C-7" BLW WAIST	.737	0.191X +	0.672Y +	14.19/	3.77 (	5.59/	1.49)
44 HIP C-9" BLW WAIST	.698	0.250X +	0.665Y +	10.53/	4.31 (	4.15/	1.70)
45 UPPER THIGH CIRCUM	.650	0.099X +	0.456Y +	4.63/	3.21 (	1.82/	1.26)

TABLE XXVII
MULTIPLE CORRELATION COEFFICIENTS AND REGRESSION EQUATIONS BASED ON
WAIST HEIGHT AND BUST CIRCUMFERENCE

	MULT CORR	- - - EQUATIONS - - -			STD ERR EST	ENGLISH UNITS	
		A	B	C		C	S.E.
46 KNEE CIRCUMFERENCE	.602	0.117X +	0.199Y +	6.71/	1.81 (	2.64/	0.71)
47 CALF CIRCUM, RIGHT	.507	0.069X +	0.180Y +	11.07/	1.94 (	4.36/	0.76)
48 CALF CIRCUM, LEFT	.497	0.073X +	0.177Y +	11.03/	1.98 (	4.34/	0.78)
49 ANKLE CIRCUMFERENCE	.401	0.062X +	0.065Y +	9.04/	1.18 (	3.56/	0.46)
50 VERTICAL TRUNK CIR	.722	0.572X +	0.644Y +	39.28/	4.76 (	15.47/	1.87)
51 VERTICAL TRK C, SIT	.719	0.657X +	0.532Y +	36.45/	4.56 (	14.35/	1.79)
52 BUTTOCK CIRC, SIT	.745	0.272X +	0.717Y +	8.39/	4.06 (	3.30/	1.60)
53 SCYE CIRCUMFERENCE	.736	0.093X +	0.269Y +	3.64/	1.55 (	1.43/	0.61)
54 AXILLARY ARM CIRC	.777	-0.021X +	0.323Y +	0.56/	1.47 (	0.22/	0.58)
55 BICEPS C, RELAXED, R	.732	-0.029X +	0.299Y +	1.69/	1.56 (	0.67/	0.62)
56 BICEPS C, FLEXED, R	.718	-0.017X +	0.295Y +	2.03/	1.61 (	0.80/	0.63)
57 BICEPS C, RELAXED, L	.729	-0.029X +	0.313Y +	0.49/	1.65 (	0.19/	0.65)
58 BICEPS C, FLEXED, L	.728	-0.019X +	0.307Y +	0.90/	1.63 (	0.35/	0.64)
59 ELBOW CIRC, FLEXED	.535	0.116X +	0.120Y +	4.58/	1.51 (	1.90/	0.59)
60 FOREARM C, RELAXED	.671	0.033X +	0.152Y +	6.03/	1.02 (	2.37/	0.40)
61 FOREARM C, FLEXED	.648	0.043X +	0.161Y +	6.22/	1.16 (	2.45/	0.46)
62 WRIST CIRCUMFERENCE	.566	0.047X +	0.052Y +	5.58/	0.59 (	2.20/	0.23)
63 BIACROMIAL BREADTH	.496	0.124X +	0.083Y +	15.56/	1.42 (	6.28/	0.56)
64 BIDELOID BREADTH	.764	0.051X +	0.298Y +	10.02/	1.49 (	3.95/	0.59)
65 CHEST BREADTH	.738	0.030X +	0.241Y +	3.36/	1.29 (	1.32/	0.51)
66 BUST PT-BUST PT BR	.721	0.014X +	0.193Y -	0.19/	1.07 (	-0.07/	0.42)
67 WAIST BREADTH	.718	0.057X +	0.229Y -	2.14/	1.35 (	-0.84/	0.53)
68 HIP BREADTH	.583	0.098X +	0.196Y +	7.55/	1.80 (	2.97/	0.71)
69 THIGH-THIGH BR, SIT	.604	0.046X +	0.292Y +	7.38/	2.28 (	2.90/	0.90)
70 HUMERAL BREADTH, R	.529	0.025X +	0.016Y +	2.19/	0.26 (	0.86/	0.10)
71 HUMERAL BREADTH, L	.525	0.025X +	0.015Y +	2.25/	0.26 (	0.89/	0.10)
72 FEMORAL BREADTH, R	.411	0.024X +	0.022Y +	3.74/	0.41 (	1.47/	0.16)
73 FEMORAL BREADTH, L	.429	0.024X +	0.023Y +	3.67/	0.40 (	1.44/	0.16)
74 CHEST DEPTH	.880	0.012X +	0.296Y -	4.12/	0.92 (	-1.62/	0.36)
75 WAIST DEPTH	.723	0.004X +	0.211Y -	2.32/	1.16 (	-0.91/	0.45)
76 ABDOMINAL EXT DPTH	.734	0.018X +	0.269Y -	5.05/	1.44 (	-1.99/	0.57)
77 BUTTOCK DEPTH	.666	0.036X +	0.200Y -	0.40/	1.34 (	-0.16/	0.53)
78 THIGH CLEARANCE	.594	0.097X +	0.089Y -	5.28/	1.01 (	-2.08/	0.40)
79 SHOULDER LENGTH	.342	0.072X +	0.013Y +	6.27/	0.96 (	2.47/	0.38)
80 NECK-BUST POINT L	.646	0.032X +	0.207Y +	3.71/	1.44 (	1.46/	0.57)
81 STRAP LENGTH	.706	0.087X +	0.465Y +	14.77/	2.78 (	5.82/	1.09)
82 INTERSCYE	.575	0.016X +	0.243Y +	11.65/	2.00 (	4.59/	0.79)
83 INTERSCYE, MAXIMUM	.540	0.157X +	0.258Y +	10.50/	2.77 (	4.13/	1.09)
84 BACK CURVATURE	.627	0.038X +	0.328Y +	8.90/	2.38 (	3.51/	0.94)
85 WAIST BACK	.395	0.192X +	0.008Y +	20.54/	2.04 (	8.09/	0.80)
86 ANTERIOR WAIST LTH	.416	0.057X +	0.125Y +	16.65/	1.78 (	6.55/	0.70)
87 SLEEVE INSEAM	.744	0.410X -	0.046Y +	7.14/	1.61 (	2.81/	0.63)
88 SPINE-TO-SCYE LGTH	.442	0.041X +	0.093Y +	7.91/	1.22 (	3.11/	0.48)
89 SPINE-TO-ELBOW LTH	.705	0.320X +	0.108Y +	11.54/	1.71 (	4.54/	0.67)
90 SPINE-TO-WRIST LTH	.783	0.527X +	0.112Y +	16.69/	2.07 (	6.57/	0.81)

TABLE XXVII
MULTIPLE CORRELATION COEFFICIENTS AND REGRESSION EQUATIONS BASED ON
WAIST HEIGHT AND BUST CIRCUMFERENCE

	MULT CORR	- - - EQUATIONS - - -			STD ERR EST	ENGLISH UNITS	
		A	B	C		C	S.E.
91 HAND LENGTH	.605	0.126X +	0.008Y +	5.03/	0.76 (	1.98/	0.30)
92 HAND BREADTH	.401	0.025X +	0.015Y +	3.70/	0.36 (	1.46/	0.14)
93 HAND CIRCUMFERENCE	.439	0.050X +	0.049Y +	8.91/	0.82 (	3.51/	0.32)
94 FOOT LENGTH	.690	0.163X +	0.024Y +	5.57/	0.82 (	2.19/	0.32)
95 FOOT BREADTH	.364	0.034X +	0.012Y +	4.38/	0.46 (	1.72/	0.18)
96 HEAD LENGTH	.327	0.040X +	0.017Y +	12.87/	0.64 (	5.07/	0.25)
97 HEAD BREADTH	.265	0.009X +	0.025Y +	11.37/	0.57 (	4.48/	0.23)
98 HEAD CIRCUMFERENCE	.369	0.092X +	0.061Y +	40.17/	1.51 (	15.81/	0.59)
99 TRAGION-TOP HEAD	.226	0.031X +	0.013Y +	8.45/	0.74 (	3.33/	0.29)
100 ECTOCANTHUS-TOP HD	.198	0.038X +	0.006Y +	7.42/	0.90 (	2.92/	0.35)
101 PRONASALE-TOP HEAD	.193	0.049X +	0.004Y +	9.49/	1.15 (	3.74/	0.45)
102 SUBNASALE-TOP HEAD	.236	0.056X +	0.006Y +	9.76/	1.07 (	3.84/	0.42)
103 STOMION-TOP HEAD	.247	0.060X +	0.004Y +	11.45/	1.09 (	4.51/	0.43)
104 MENTON-TOP HEAD	.309	0.072X +	0.013Y +	13.52/	1.08 (	5.32/	0.43)
105 TRAGION TO WALL	.225	0.031X +	0.020Y +	5.27/	0.88 (	2.07/	0.35)
106 ECTOCANTHUS-WALL	.289	0.043X +	0.028Y +	9.54/	0.93 (	3.76/	0.36)
107 PRONASALE TO WALL	.349	0.050X +	0.035Y +	13.03/	0.90 (	5.13/	0.35)
108 SUBNASALE TO WALL	.311	0.045X +	0.032Y +	12.28/	0.93 (	4.83/	0.37)
109 LIP PROTRUSION-WALL	.264	0.037X +	0.033Y +	12.63/	1.02 (	4.97/	0.40)
110 MENTON TO WALL	.298	0.021X +	0.053Y +	11.37/	1.08 (	4.48/	0.43)
111 SAGITTAL CURVATURE	.241	0.064X +	0.028Y +	25.86/	1.44 (	10.18/	0.57)
112 BITRAGION-CORONAL	.269	0.053X +	0.042Y +	24.84/	1.35 (	9.78/	0.53)
113 BIOCULAR BREADTH	.236	0.020X +	0.009Y +	6.86/	0.48 (	2.70/	0.19)
114 BIAURICULAR BREADTH	.188	0.022X +	0.022Y +	11.65/	0.93 (	4.59/	0.37)
115 BITRAGION BREADTH	.345	0.017X +	0.024Y +	9.03/	0.47 (	3.56/	0.18)
116 BIZYGOMATIC BRDTH	.307	0.018X +	0.024Y +	8.94/	0.55 (	3.52/	0.22)
117 BIGONIAL BREADTH	.316	0.010X +	0.028Y +	6.67/	0.53 (	2.63/	0.21)
118 NASAL BREADTH	.084	0.004X +	0.003Y +	2.52/	0.33 (	0.99/	0.13)
119 LIP LENGTH	.102	0.008X +	0.003Y +	3.31/	0.42 (	1.30/	0.16)
120 MENTON-SUBNASALE L	.189	0.016X +	0.008Y +	3.22/	0.50 (	1.27/	0.20)
121 MENTON-SELLION LTH	.258	0.026X +	0.014Y +	6.77/	0.59 (	2.66/	0.23)
122 SUBNASALE-SELLION	.168	0.010X +	0.007Y +	2.92/	0.40 (	1.15/	0.16)
123 EAR LENGTH	.280	0.009X +	0.019Y +	2.63/	0.43 (	1.04/	0.17)
124 EAR BREADTH	.138	0.005X +	0.005Y +	1.93/	0.33 (	0.76/	0.13)

TABLE XXVII
MULTIPLE CORRELATION COEFFICIENTS AND REGRESSION EQUATIONS BASED ON
WAIST HEIGHT AND WAIST CIRCUMFERENCE

	MULT CORR	- - - EQUATIONS - - -			STD ERR EST	ENGLISH UNITS C S.E.	
		A	B	C			
1 AGE	.235	-0.026X +	0.281Y +	7.15/	6.27 (	2.82/	2.47)
2 WEIGHT	.880	0.531X +	1.027Y -	64.60/	3.56		
(WEIGHT IN LB/IN		2.976X +	5.751Y -	142.52/	7.86)		
3 TRICEPS SKINFOLD	.545	-0.007X +	0.055Y -	1.09/	0.46 (	-0.43/	0.18)
4 SUBSCAPULAR SKINFOLD	.659	-0.015X +	0.060Y -	1.24/	0.36 (	-0.49/	0.14)
5 SUPRAILIAC SKINFOLD	.642	-0.007X +	0.083Y -	2.90/	0.54 (	-1.14/	0.21)
6 MEDIAL CALF SKINFOLD	.296	-0.007X +	0.029Y +	0.35/	0.49 (	0.14/	0.19)
7 STATURE	.916	1.199X +	0.071Y +	37.10/	2.41 (	14.61/	0.95)
8 STATURE, MAXIMUM	.918	1.206X +	0.069Y +	37.17/	2.39 (	14.64/	0.94)
9 CERVICAL HEIGHT	.930	1.115X +	0.077Y +	22.21/	2.03 (	8.74/	0.80)
10 ACROMIAL HEIGHT	.924	1.051X +	0.100Y +	15.74/	2.09 (	6.20/	0.82)
11 SUPRASTERNAL HEIGHT	.934	1.074X +	0.078Y +	19.06/	1.90 (	7.50/	0.75)
12 BUST POINT HEIGHT	.897	1.040X +	0.002Y +	13.89/	2.30 (	5.47/	0.91)
14 ABDOMINAL EXT HGT	.948	0.939X -	0.028Y +	0.87/	1.41 (	0.34/	0.56)
15 TROCHANTERIC HEIGHT	.897	0.840X +	0.034Y -	3.85/	1.88 (	-1.51/	0.74)
16 BUTTOCK HEIGHT	.892	0.809X +	0.050Y -	2.27/	1.88 (	-0.89/	0.74)
17 GLUTEAL FURROW HGT	.864	0.765X -	0.013Y -	3.14/	1.99 (	-1.24/	0.78)
18 TIBIALE HEIGHT	.831	0.438X +	0.003Y -	2.14/	1.32 (	-0.84/	0.52)
19 CROTCH HEIGHT	.909	0.814X +	0.003Y -	7.32/	1.68 (	-2.88/	0.66)
20 ANKLE HEIGHT	.318	0.091X +	0.012Y +	1.25/	1.28 (	0.49/	0.51)
21 LAT'L MALLEOLUS HT	.409	0.053X +	0.002Y +	1.32/	0.54 (	0.52/	0.21)
22 SITTING HT, RELAXED	.600	0.418X +	0.044Y +	39.40/	2.60 (	15.51/	1.02)
23 SITTING HEIGHT	.614	0.411X +	0.056Y +	40.62/	2.50 (	15.99/	0.98)
24 EYE HEIGHT, SITTING	.567	0.370X +	0.042Y +	33.78/	2.52 (	13.30/	0.99)
25 MIDSHOULDER HT, SIT	.583	0.305X +	0.084Y +	21.77/	2.16 (	8.57/	0.85)
26 WAIST HGT, SITTING	.429	0.151X +	0.034Y +	5.94/	1.57 (	2.34/	0.62)
27 ELBOW REST HEIGHT	.071	0.017X +	0.026Y +	19.25/	2.46 (	7.58/	0.97)
28 POPLITEAL HEIGHT	.762	0.315X +	0.002Y +	9.33/	1.20 (	3.67/	0.47)
29 BUTTOCK-POPLIT'L L	.745	0.401X +	0.117Y -	0.36/	1.84 (	-0.14/	0.72)
30 BUTTOCK-KNEE LENGTH	.859	0.432X +	0.143Y +	4.50/	1.35 (	1.77/	0.53)
31 ACROMION-RADIALE L	.755	0.261X +	0.032Y +	2.68/	1.07 (	1.06/	0.42)
32 RADIALE-STYLION L	.700	0.209X +	0.012Y +	1.62/	0.98 (	0.64/	0.38)
33 THUMB-TIP REACH	.667	0.532X +	0.103Y +	13.86/	2.89 (	5.46/	1.14)
34 THUMB-TIP, EXTENDED	.627	0.630X +	0.120Y +	12.59/	3.80 (	4.96/	1.50)
35 OVERHEAD REACH	.838	1.554X +	0.116Y +	35.60/	4.67 (	14.01/	1.84)
36 NECK CIRCUMFERENCE	.556	0.054X +	0.154Y +	17.98/	1.39 (	7.08/	0.55)
37 SHOULDER CIRCUMFERENCE	.785	0.150X +	0.698Y +	38.46/	3.13 (	15.14/	1.25)
38 CHEST CIRC AT SCYE	.793	0.054X +	0.696Y +	28.05/	3.03 (	11.04/	1.19)
39 BUST CIRCUMFERENCE	.797	0.065X +	0.816Y +	28.37/	3.44 (	11.17/	1.35)
40 CHEST C BELOW BUST	.795	0.080X +	0.688Y +	20.07/	2.95 (	7.90/	1.16)
42 ABDOMINAL EXT CIRC	.811	0.038X +	1.070Y +	9.93/	4.26 (	3.91/	1.68)
43 HIP C-7" BLW WAIST	.810	0.166X +	0.783Y +	24.37/	3.27 (	9.59/	1.29)
44 HIP C-9" BLW WAIST	.742	0.233X +	0.748Y +	21.64/	4.03 (	8.52/	1.59)
45 UPPER THIGH CIRCUM	.689	0.089X +	0.509Y +	12.34/	3.06 (	4.86/	1.20)

TABLE XXVII
MULTIPLE CORRELATION COEFFICIENTS AND REGRESSION EQUATIONS BASED ON
WAIST HEIGHT AND WAIST CIRCUMFERENCE

	MULT CORR	-- -- -- EQUATIONS -- -- --			STD ERR EST	ENGLISH UNITS	
		A	B	C		C	S.E.
46 KNEE CIRCUMFERENCE	.640	0.112X +	0.227Y +	9.82/	1.74 (	3.86/	0.69)
47 CALF CIRCUM, RIGHT	.542	0.064X +	0.204Y +	14.02/	1.89 (	5.52/	0.74)
48 CALF CIRCUM, LEFT	.534	0.068X +	0.203Y +	13.77/	1.93 (	5.42/	0.76)
49 ANKLE CIRCUMFERENCE	.428	0.060X +	0.077Y +	9.89/	1.17 (	3.90/	0.46)
50 VERTICAL TRUNK CIR	.704	0.580X +	0.639Y +	53.32/	4.88 (	20.99/	1.92)
51 VERTICAL TRK C, SIT	.707	0.664X +	0.530Y +	47.86/	4.64 (	18.84/	1.83)
52 BUTTOCK CIRC, SIT	.796	0.252X +	0.813Y +	20.09/	3.68 (	7.91/	1.45)
53 SCYE CIRCUMFERENCE	.735	0.093X +	0.280Y +	8.96/	1.55 (	3.53/	0.61)
54 AXILLARY ARM CIRC	.756	-0.019X +	0.326Y +	7.44/	1.53 (	2.93/	0.60)
55 BICEPS C, RELAXED, R	.723	-0.028X +	0.308Y +	7.72/	1.58 (	3.04/	0.62)
56 BICEPS C, FLEXED, R	.715	-0.017X +	0.305Y +	8.00/	1.62 (	3.15/	0.64)
57 BICEPS C, RELAXED, L	.736	-0.030X +	0.328Y +	6.63/	1.63 (	2.61/	0.64)
58 BICEPS C, FLEXED, L	.725	-0.019X +	0.319Y +	7.01/	1.64 (	2.76/	0.65)
59 ELBOW CIRC, FLEXED	.540	0.115X +	0.127Y +	6.91/	1.50 (	2.72/	0.59)
60 FOREARM C, RELAXED	.693	0.037X +	0.165Y +	8.68/	0.99 (	3.42/	0.39)
61 FOREARM C, FLEXED	.664	0.042X +	0.173Y +	9.14/	1.14 (	3.60/	0.45)
62 WRIST CIRCUMFERENCE	.577	0.047X +	0.056Y +	6.49/	0.58 (	2.55/	0.23)
63 BIACROMIAL BREADTH	.503	0.123X +	0.090Y +	17.46/	1.42 (	6.87/	0.56)
64 BIELTOID BREADTH	.745	0.053X +	0.302Y +	16.26/	1.54 (	6.40/	0.61)
65 CHEST BREADTH	.688	0.036X +	0.232Y +	8.79/	1.39 (	3.46/	0.55)
66 BUST PT-BUST PT BR	.574	0.027X +	0.155Y +	5.41/	1.27 (	2.13/	0.50)
67 WAIST BREADTH	.890	0.037X +	0.306Y -	0.15/	0.88 (	-0.06/	0.35)
68 HIP BREADTH	.627	0.092X +	0.225Y +	10.62/	1.73 (	4.18/	0.68)
69 THIGH-THIGH BR, SIT	.637	0.041X +	0.323Y +	12.37/	2.20 (	4.87/	0.87)
70 HUMERAL BREADTH, R	.516	0.026X +	0.015Y +	2.52/	0.26 (	0.99/	0.10)
71 HUMERAL BREADTH, L	.524	0.025X +	0.016Y +	2.52/	0.26 (	0.99/	0.10)
72 FEMORAL BREADTH, R	.414	0.024X +	0.023Y +	4.16/	0.41 (	1.64/	0.16)
73 FEMORAL BREADTH, L	.435	0.024X +	0.025Y +	4.05/	0.39 (	1.60/	0.16)
74 CHEST DEPTH	.740	0.027X +	0.255Y +	3.80/	1.30 (	1.50/	0.51)
75 WAIST DEPTH	.846	-0.008X +	0.260Y +	0.34/	0.89 (	0.14/	0.35)
76 ABDOMINAL EXT DPTH	.814	0.008X +	0.313Y -	0.95/	1.23 (	-0.37/	0.48)
77 BUTTOCK DEPTH	.711	0.031X +	0.225Y +	2.92/	1.26 (	1.15/	0.50)
78 THIGH CLEARANCE	.609	0.095X +	0.098Y -	3.68/	0.99 (	-1.45/	0.39)
79 SHOULDER LENGTH	.345	0.072X +	0.016Y +	6.37/	0.96 (	2.51/	0.38)
80 NECK-BUST POINT L	.547	0.043X +	0.177Y +	9.25/	1.58 (	3.66/	0.62)
81 STRAP LENGTH	.627	0.105X +	0.421Y +	26.40/	3.06 (	10.39/	1.20)
82 INTERSCYE	.531	0.022X +	0.231Y +	17.33/	2.07 (	6.82/	0.81)
83 INTERSCYE, MAXIMUM	.529	0.160X +	0.259Y +	15.94/	2.79 (	6.28/	1.10)
84 BACK CURVATURE	.598	0.043X +	0.323Y +	16.13/	2.45 (	6.35/	0.96)
85 WAIST BACK	.405	0.184X +	0.037Y +	19.57/	2.03 (	7.71/	0.80)
86 ANTERIOR WAIST LTH	.408	0.057X +	0.127Y +	19.33/	1.79 (	7.61/	0.70)
87 SLEEVE INSEAM	.739	0.403X -	0.026Y +	5.46/	1.63 (	2.15/	0.64)
88 SPINE-TO-SCYE LGTH	.394	0.045X +	0.082Y +	10.34/	1.25 (	4.07/	0.49)
89 SPINE-TO-ELBOW LTH	.700	0.323X +	0.105Y +	13.87/	1.72 (	5.46/	0.68)
90 SPINE-TO-WRIST LTH	.784	0.526X +	0.121Y +	18.71/	2.06 (	7.36/	0.81)

TABLE XXVII
MULTIPLE CORRELATION COEFFICIENTS AND REGRESSION EQUATIONS BASED ON
WAIST HEIGHT AND WAIST CIRCUMFERENCE

	MULT CORR	- - - EQUATIONS - - -			STD ERR EST	ENGLISH UNITS	
		A	B	C		C	S.E.
91 HAND LENGTH	.607	0.125X +	0.013Y +	4.97/	0.76 (	1.96/	0.30)
92 HAND BREADTH	.393	0.025X +	0.014Y +	4.11/	0.35 (	1.62/	0.14)
93 HAND CIRCUMFERENCE	.440	0.050X +	0.051Y +	9.88/	0.81 (	3.89/	0.32)
94 FOOT LENGTH	.699	0.160X +	0.034Y +	5.74/	0.81 (	2.26/	0.32)
95 FOOT BREADTH	.387	0.033X +	0.017Y +	4.42/	0.46 (	1.74/	0.18)
96 HEAD LENGTH	.308	0.042X +	0.010Y +	13.53/	0.65 (	5.33/	0.25)
97 HEAD BREADTH	.274	0.003X +	0.027Y +	11.90/	0.57 (	4.58/	0.23)
98 HEAD CIRCUMFERENCE	.374	0.091X +	0.066Y +	41.30/	1.51 (	16.26/	0.59)
99 TRAGION-TOP HEAD	.226	0.031X +	0.014Y +	8.68/	0.74 (	3.42/	0.29)
100 ECTOCANTHUS-TOP HD	.196	0.038X +	0.005Y +	7.62/	0.90 (	3.00/	0.35)
101 PRONASALE-TOP HEAD	.193	0.051X -	0.003Y +	9.85/	1.15 (	3.88/	0.45)
102 SUBNASALE-TOP HEAD	.235	0.057X +	0.002Y +	10.06/	1.07 (	3.96/	0.42)
103 STOMION-TOP HEAD	.246	0.061X +	0.001Y +	11.64/	1.09 (	4.58/	0.43)
104 MENTON-TOP HEAD	.309	0.072X +	0.014Y +	13.75/	1.08 (	5.41/	0.43)
105 TRAGION TO WALL	.217	0.032X +	0.018Y +	5.75/	0.88 (	2.27/	0.35)
106 ECTOCANTHUS-WALL	.286	0.044X +	0.028Y +	10.07/	0.93 (	3.97/	0.37)
107 PRONASALE TO WALL	.333	0.052X +	0.021Y +	13.89/	0.91 (	5.47/	0.36)
108 SUBNASALE TO WALL	.307	0.046X +	0.032Y +	12.90/	0.93 (	5.08/	0.37)
109 LIP PROTRUSION-WALL	.263	0.037X +	0.034Y +	13.31/	1.02 (	5.24/	0.40)
110 MENTON TO WALL	.292	0.021X +	0.054Y +	12.50/	1.09 (	4.92/	0.43)
111 SAGITTAL CURVATURE	.231	0.066X +	0.022Y +	26.69/	1.45 (	10.51/	0.57)
112 BITRAGION-CORONAL	.277	0.052X +	0.047Y +	25.55/	1.35 (	10.06/	0.53)
113 BIGULAR BREADTH	.241	0.020X +	0.011Y +	6.93/	0.48 (	2.73/	0.19)
114 BIAURICULAR BIRTH	.214	0.020X +	0.030Y +	11.81/	0.93 (	4.65/	0.37)
115 BITRAGION BREADTH	.380	0.016X +	0.029Y +	9.34/	0.46 (	3.68/	0.18)
116 BIZYGOMATIC BIRTH	.336	0.017X +	0.029Y +	9.25/	0.54 (	3.64/	0.21)
117 BIGONIAL BREADTH	.313	0.010X +	0.029Y +	7.23/	0.53 (	2.85/	0.21)
118 NASAL BREADTH	.109	0.003X +	0.005Y +	2.56/	0.33 (	1.01/	0.13)
119 LIP LENGTH	.098	0.008X +	0.002Y +	3.44/	0.42 (	1.36/	0.16)
120 MENTON-SUBNASALE L	.194	0.016X +	0.010Y +	3.26/	0.50 (	1.29/	0.20)
121 MENTON-SELLION LTH	.257	0.027X +	0.014Y +	6.98/	0.59 (	2.75/	0.23)
122 SUBNASALE-SELLION	.159	0.011X +	0.006Y +	3.04/	0.40 (	1.20/	0.16)
123 EAR LENGTH	.265	0.009X +	0.018Y +	3.12/	0.43 (	1.23/	0.17)
124 EAR BREADTH	.135	0.006X +	0.005Y +	2.04/	0.33 (	0.80/	0.13)

TABLE XXVII
MULTIPLE CORRELATION COEFFICIENTS AND REGRESSION EQUATIONS BASED ON
WAIST HEIGHT AND HIP CIRCUMFERENCE—SEVEN INCHES BELOW WAIST LEVEL

	MULT CORR	- - - EQUATIONS - - -			STD ERR EST	ENGLISH UNITS C S.E.
		A	B	C		
1 AGE	.233	-0.055X +	0.280Y +	2.72/	6.27 (	1.07/ 2.47)
2 WEIGHT	.920	0.397X +	1.098Y -	84.96/	2.95	
(WEIGHT IN LB/IN		2.224X +	6.148Y -	187.32/	6.50)	
3 TRICEPS SKINFOLD	.627	-0.016X +	0.064Y -	2.49/	0.42 (	-0.98/ 0.17)
4 SUBSCAPULAR SKINFOLD	.602	-0.019X +	0.055Y -	1.96/	0.39 (	-0.77/ 0.15)
5 SUPRAILIAC SKINFOLD	.583	-0.013X +	0.076Y -	3.84/	0.57 (	-1.51/ 0.22)
6 MEDIAL CALF SKINFOLD	.394	-0.014X +	0.038Y -	0.56/	0.47 (	-0.22/ 0.19)
7 STATURE	.916	1.189X +	0.078Y +	35.57/	2.41 (	14.00/ 0.95)
8 STATURE, MAXIMUM	.918	1.197X +	0.074Y +	35.78/	2.38 (	14.09/ 0.94)
9 CERVICAL HEIGHT	.929	1.111X +	0.065Y +	21.70/	2.04 (	8.54/ 0.80)
10 ACROMIAL HEIGHT	.923	1.086X +	0.086Y +	14.90/	2.11 (	5.87/ 0.83)
11 SUPRASTERNAL HEIGHT	.933	1.069X +	0.071Y +	18.16/	1.90 (	7.15/ 0.75)
12 BUST POINT HEIGHT	.897	1.039X +	0.002Y +	13.94/	2.30 (	5.49/ 0.91)
14 ABDOMINAL EXT HGT	.948	0.947X -	0.041Y +	2.03/	1.40 (	0.80/ 0.55)
15 TROCHANTERIC HEIGHT	.896	0.850X +	0.001Y -	2.66/	1.89 (	-1.05/ 0.74)
16 BUTTOCK HEIGHT	.890	0.815X +	0.020Y -	1.39/	1.90 (	-0.55/ 0.75)
17 GLUTEAL FURROW HGT	.867	0.781X -	0.052Y -	0.75/	1.97 (	-0.29/ 0.78)
18 TIBIAL HEIGHT	.832	0.443X -	0.009Y -	1.60/	1.32 (	-0.63/ 0.52)
19 CROTCH HEIGHT	.911	0.831X -	0.042Y -	4.89/	1.66 (	-1.93/ 0.65)
20 ANKLE HEIGHT	.315	0.097X -	0.006Y +	2.02/	1.29 (	0.80/ 0.51)
21 LAT'L MALLEOLUS HT	.409	0.052X +	0.003Y +	1.28/	0.54 (	0.50/ 0.21)
22 SITTING HT, RELAXED	.611	0.399X +	0.081Y +	36.68/	2.58 (	14.44/ 1.01)
23 SITTING HEIGHT	.628	0.390X +	0.096Y +	37.50/	2.47 (	14.76/ 0.97)
24 EYE HEIGHT, SITTING	.584	0.347X +	0.051Y +	30.39/	2.48 (	11.96/ 0.98)
25 MIDSHOULDER HT, SIT	.598	0.287X +	0.108Y +	19.10/	2.13 (	7.52/ 0.84)
26 WAIST HEIGHT, SITTING	.466	0.133X +	0.068Y +	3.66/	1.53 (	1.44/ 0.60)
27 ELBOW REST HEIGHT	.146	-0.001X +	0.064Y +	16.81/	2.44 (	6.62/ 0.96)
28 POPLITEAL HEIGHT	.763	0.320X -	0.012Y +	10.08/	1.20 (	3.97/ 0.47)
29 BUTTOCK-POPLIT'L L	.759	0.380X +	0.139Y -	3.41/	1.80 (	-1.34/ 0.71)
30 BUTTOCK-KNEE LENGTH	.877	0.408X +	0.168Y +	0.78/	1.27 (	0.31/ 0.50)
31 ACROMION-RADIAL L	.750	0.263X +	0.019Y +	2.85/	1.08 (	1.12/ 0.42)
32 RADIAL-STYLION L	.700	0.209X +	0.009Y +	1.59/	0.98 (	0.62/ 0.38)
33 THUMB-TIP REACH	.658	0.537X +	0.064Y +	14.29/	2.92 (	5.63/ 1.15)
34 THUMB-TIP, EXTENDED	.623	0.624X +	0.103Y +	11.61/	3.82 (	4.57/ 1.50)
35 OVERHEAD REACH	.836	1.555X +	0.084Y +	35.43/	4.69 (	13.95/ 1.85)
36 NECK CIRCUMFERENCE	.510	0.044X +	0.138Y +	16.42/	1.44 (	6.46/ 0.57)
37 SHOULDER CIRCUMFER	.748	0.092X +	0.661Y +	29.29/	3.41 (	11.53/ 1.34)
38 CHEST CIRC AT SCYE	.724	0.047X +	0.631Y +	20.45/	3.42 (	8.05/ 1.35)
39 BUST CIRCUMFERENCE	.722	0.012X +	0.734Y +	19.79/	3.94 (	7.79/ 1.55)
40 CHEST C BELOW BUST	.707	0.041X +	0.604Y +	13.66/	3.44 (	5.38/ 1.36)
41 WAIST CIRCUMFERENCE	.800	-0.021X +	0.789Y -	4.57/	3.29 (	-1.80/ 1.29)
42 ABDOMINAL EXT CIRC	.829	-0.085X +	1.100Y -	8.83/	4.07 (	-3.48/ 1.60)
44 HIP C-9" BLW WAIST	.940	0.058X +	0.956Y -	3.81/	2.06 (	-1.50/ 0.81)
45 UPPER THIGH CIRCUM	.866	-0.023X +	0.659Y -	3.92/	2.11 (	-1.55/ 0.83)

TABLE XXVII
MULTIPLE CORRELATION COEFFICIENTS AND REGRESSION EQUATIONS BASED ON
WAIST HEIGHT AND HIP CIRCUMFERENCE—SEVEN INCHES BELOW WAIST LEVEL

	MULT CORR	- - - EQUATIONS - - -			STD ERR EST	ENGLISH UNITS	
		A	B	C		C	S.E.
46 KNEE CIRCUMFERENCE	.763	0.064X +	0.289Y +	2.82/	1.46 (	1.11/	0.58)
47 CALF CIRCUM, RIGHT	.673	0.019X +	0.265Y +	7.42/	1.66 (	2.92/	0.65)
48 CALF CIRCUM, LEFT	.672	0.021X +	0.269Y +	6.54/	1.69 (	2.73/	0.67)
49 ANKLE CIRCUMFERENCE	.511	0.042X +	0.103Y +	7.23/	1.11 (	2.85/	0.44)
50 VERTICAL TRUNK CIR	.756	0.475X +	0.734Y +	37.56/	4.49 (	14.95/	1.77)
51 VERTICAL TRK C, SIT	.743	0.580X +	0.603Y +	35.44/	4.39 (	13.95/	1.73)
52 BUTTOCK CIRC, SIT	.935	0.098X +	0.992Y -	2.72/	2.16 (	-1.07/	0.85)
53 SCYE CIRCUMFERENCE	.701	0.070X +	0.264Y +	5.36/	1.63 (	2.11/	0.64)
54 AXILLARY ARM CIRC	.760	-0.054X +	0.329Y +	2.05/	1.52 (	0.81/	0.60)
55 BICEPS C, RELAXED, R	.774	-0.069X +	0.331Y +	1.54/	1.45 (	0.61/	0.57)
56 BICEPS C, FLEXED, R	.763	-0.058X +	0.328Y +	1.90/	1.50 (	0.75/	0.59)
57 BICEPS C, RELAXED, L	.781	-0.073X +	0.351Y +	0.12/	1.50 (	0.05/	0.59)
58 BICEPS C, FLEXED, L	.770	-0.060X +	0.340Y +	0.72/	1.52 (	0.28/	0.60)
59 ELBOW CIRC, FLEXED	.528	0.104X +	0.122Y +	5.12/	1.51 (	2.02/	0.60)
60 FOREARM C, RELAXED	.712	0.017X +	0.171Y +	5.76/	0.97 (	2.27/	0.38)
61 FOREARM C, FLEXED	.682	0.021X +	0.179Y +	6.11/	1.11 (	2.40/	0.44)
62 WRIST CIRCUMFERENCE	.564	0.042X +	0.054Y +	5.69/	0.59 (	2.24/	0.23)
63 BIACROMIAL BREADTH	.488	0.117X +	0.082Y +	16.43/	1.43 (	6.47/	0.56)
64 BIDELOID BREADTH	.727	0.025X +	0.254Y +	11.84/	1.59 (	4.66/	0.63)
65 CHEST BREADTH	.635	0.019X +	0.212Y +	6.24/	1.48 (	2.46/	0.58)
66 BUST PT-BUST PT BR	.512	0.019X +	0.136Y +	3.89/	1.33 (	1.53/	0.52)
67 WAIST BREADTH	.724	0.031X +	0.242Y -	1.64/	1.33 (	-0.65/	0.53)
68 HIP BREADTH	.838	0.029X +	0.324Y +	1.72/	1.21 (	0.68/	0.48)
69 THIGH-THIGH BR, SIT	.845	-0.039X +	0.442Y +	0.71/	1.53 (	0.28/	0.60)
70 HUMERAL BREADTH, R	.528	0.024X +	0.017Y +	2.14/	0.26 (	0.84/	0.10)
71 HUMERAL BREADTH, L	.532	0.023X +	0.016Y +	2.30/	0.26 (	0.90/	0.10)
72 FEMORAL BREADTH, R	.442	0.020X +	0.027Y +	3.58/	0.40 (	1.41/	0.16)
73 FEMORAL BREADTH, L	.468	0.020X +	0.028Y +	3.51/	0.39 (	1.38/	0.15)
74 CHEST DEPTH	.677	0.010X +	0.231Y +	1.01/	1.42 (	0.40/	0.56)
75 WAIST DEPTH	.696	-0.016X +	0.212Y -	1.23/	1.20 (	-0.49/	0.47)
76 ABDOMINAL EXT DPTH	.778	-0.019X +	0.299Y -	5.20/	1.33 (	-2.05/	0.52)
77 BUTTOCK DEPTH	.820	-0.008X +	0.265Y -	2.86/	1.02 (	-1.13/	0.40)
78 THIGH CLEARANCE	.673	0.075X +	0.120Y -	6.42/	0.93 (	-2.53/	0.36)
79 SHOULDER LENGTH	.344	0.070X +	0.015Y +	6.24/	0.96 (	2.46/	0.33)
80 NECK-BUST POINT L	.508	0.030X +	0.163Y +	7.22/	1.63 (	2.84/	0.64)
81 STRAP LENGTH	.582	0.076X +	0.385Y +	21.55/	3.13 (	8.48/	1.26)
82 INTERSCYE	.482	0.007X +	0.209Y +	14.79/	2.14 (	5.82/	0.84)
83 INTERSCYE, MAXIMUM	.510	0.138X +	0.246Y +	12.52/	2.83 (	4.93/	1.11)
84 BACK CURVATURE	.556	0.019X +	0.298Y +	12.34/	2.54 (	4.86/	1.00)
85 WAIST BACK	.400	0.184X +	0.027Y +	19.53/	2.03 (	7.69/	0.80)
86 ANTERIOR WAIST LTH	.369	0.051X +	0.110Y +	18.16/	1.82 (	7.15/	0.72)
87 SLEEVE INSEAM	.742	0.411X -	0.040Y +	6.66/	1.62 (	2.62/	0.64)
88 SPINE-TO-SCYE LGTH	.373	0.039X +	0.076Y +	9.34/	1.26 (	3.68/	0.50)
89 SPINE-TO-ELBOW LTH	.696	0.314X +	0.100Y +	12.47/	1.73 (	4.91/	0.68)
90 SPINE-TO-WRIST LTH	.779	0.518X +	0.108Y +	17.53/	2.08 (	6.90/	0.82)

TABLE XXVII
MULTIPLE CORRELATION COEFFICIENTS AND REGRESSION EQUATIONS BASED ON
WAIST HEIGHT AND HIP CIRCUMFERENCE—SEVEN INCHES BELOW WAIST LEVEL

	MULT CORR	- - - EQUATIONS - - -			STD ERR EST	ENGLISH UNITS	
		A	B	C		C	S.E.
91 HAND LENGTH	.604	0.125X +	0.007Y +	5.09/	0.76 (	2.00/	0.30)
92 HAND BREADTH	.387	0.024X +	0.014Y +	3.84/	0.36 (	1.51/	0.14)
93 HAND CIRCUMFERENCE	.417	0.047X +	0.045Y +	9.39/	0.82 (	3.70/	0.32)
94 FOOT LENGTH	.694	0.159X +	0.030Y +	5.32/	0.81 (	2.09/	0.32)
95 FOOT BREADTH	.394	0.030X +	0.019Y +	4.08/	0.46 (	1.61/	0.18)
96 HEAD LENGTH	.317	0.029X +	0.014Y +	13.19/	0.64 (	5.19/	0.25)
97 HEAD BREADTH	.253	0.006X +	0.025Y +	11.57/	0.53 (	4.56/	0.23)
98 HEAD CIRCUMFERENCE	.371	0.085X +	0.065Y +	40.26/	1.51 (	15.85/	0.59)
99 TRAGION-TOP HEAD	.224	0.030X +	0.013Y +	8.50/	0.74 (	3.35/	0.29)
100 ECTOCANTHUS-TOP HD	.196	0.023X +	0.004Y +	7.58/	0.90 (	2.98/	0.35)
101 PRONASALE-TOP HEAD	.193	0.050X +	0.001Y +	9.65/	1.15 (	3.80/	0.45)
102 SUBNASALE-TOP HEAD	.235	0.056X +	0.004Y +	9.92/	1.07 (	3.91/	0.42)
103 STOMION-TOP HEAD	.246	0.060X +	0.002Y +	11.62/	1.09 (	4.58/	0.43)
104 MENTON-TOP HEAD	.310	0.071X +	0.015Y +	13.38/	1.08 (	5.27/	0.43)
105 TRAGION TO WALL	.218	0.030X +	0.019Y +	5.38/	0.88 (	2.12/	0.35)
106 ECTOCANTHUS-WALL	.288	0.041X +	0.029Y +	9.54/	0.93 (	3.76/	0.37)
107 PRONASALE TO WALL	.340	0.048X +	0.034Y +	13.19/	0.90 (	5.19/	0.36)
108 SUBNASALE TO WALL	.304	0.043X +	0.031Y +	12.45/	0.93 (	4.90/	0.37)
109 LIP PROTRUSION-WALL	.252	0.035X +	0.031Y +	12.89/	1.02 (	5.07/	0.40)
110 MENTON TO WALL	.274	0.017X +	0.050Y +	11.85/	1.09 (	4.66/	0.43)
111 SAGITTAL CURVATURE	.237	0.061X +	0.027Y +	26.14/	1.45 (	10.29/	0.57)
112 BITRAGION-CORONAL	.262	0.050X +	0.041Y +	25.07/	1.36 (	9.87/	0.53)
113 BIOCULAR BREADTH	.233	0.019X +	0.009Y +	6.92/	0.48 (	2.73/	0.19)
114 BIAURICULAR BRDTH	.193	0.019X +	0.025Y +	11.59/	0.93 (	4.56/	0.37)
115 BITRAGION BREADTH	.352	0.015X +	0.026Y +	8.55/	0.47 (	3.52/	0.18)
116 BIZYGOMATIC BRDTH	.311	0.015X +	0.026Y +	8.96/	0.55 (	3.53/	0.22)
117 BIGONIAL BREADTH	.286	0.008X +	0.026Y +	6.95/	0.54 (	2.74/	0.21)
118 NASAL BREADTH	.073	0.004X +	0.002Y +	2.61/	0.33 (	1.03/	0.13)
119 LIP LENGTH	.093	0.009X +	0. Y +	3.48/	0.42 (	1.37/	0.17)
120 MENTON-SUBNASALE L	.191	0.015X +	0.009Y +	3.19/	0.50 (	1.26/	0.20)
121 MENTON-SELLION LTH	.253	0.025X +	0.013Y +	6.90/	0.59 (	2.72/	0.23)
122 SUBNASALE-SELLION	.158	0.010X +	0.006Y +	2.98/	0.41 (	1.17/	0.16)
123 EAR LENGTH	.254	0.008X +	0.017Y +	2.84/	0.43 (	1.12/	0.17)
124 EAR BREADTH	.131	0.006X +	0.005Y +	1.91/	0.33 (	0.75/	0.13)

TABLE XXVII
MULTIPLE CORRELATION COEFFICIENTS AND REGRESSION EQUATIONS BASED ON
HEAD LENGTH AND HEAD BREADTH

	MULT CORR	- - - EQUATIONS - - -			STD ERR EST	ENGLISH UNITS	
		A	B	C		C	S.E.
98 HEAD CIRCUMFERENCE	.777	1.557X +	0.970Y +	12.12/	1.02 (	4.77/	0.40)
99 TRAGICN-TOP HEAD	.347	0.261X +	0.299Y +	3.58/	0.72 (	1.41/	0.28)
100 ECTOCANTHUS-TOP HD	.289	0.347X +	0.165Y +	2.98/	0.88 (	1.17/	0.35)
101 PRONASALE-TOP HEAD	.303	0.485X +	0.167Y +	3.41/	1.12 (	1.34/	0.44)
102 SUBNASALE-TOP HEAD	.315	0.472X +	0.165Y +	4.83/	1.04 (	1.90/	0.41)
103 STOMION-TOP HEAD	.341	0.543X +	0.110Y +	6.23/	1.05 (	2.45/	0.42)
104 MENTON-TOP HEAD	.413	0.640X +	0.222Y +	6.76/	1.04 (	2.66/	0.41)
105 TRAGION TO WALL	.385	0.514X -	0.044Y +	1.35/	0.83 (	0.53/	0.33)
106 ECTOCANTHUS-WALL	.533	0.755X +	0.040Y +	1.87/	0.82 (	0.74/	0.32)
107 PRONASALE TO WALL	.581	0.820X +	0.018Y +	5.83/	0.78 (	2.30/	0.31)
108 SUBNASALE TO WALL	.523	0.760X -	0.045Y +	6.32/	0.84 (	2.49/	0.33)
109 LIP PROTRUS'N-WALL	.476	0.746X -	0.040Y +	6.15/	0.93 (	2.42/	0.37)
110 MENTON TO WALL	.368	0.609X +	0.048Y +	6.32/	1.06 (	2.49/	0.42)
111 SAGITTAL CURVATURE	.489	0.950X +	0.455Y +	10.69/	1.30 (	4.21/	0.51)
112 BITRAGION-CORONAL	.476	0.464X +	0.931Y +	11.87/	1.24 (	4.67/	0.49)
113 BIJOCULAR BREADTH	.282	0.135X +	0.158Y +	4.89/	0.47 (	1.93/	0.19)
114 BIAURICULAR BRDTH	.284	0.044X +	0.444Y +	8.58/	0.91 (	3.38/	0.36)
115 BITRAGICN BREADTH	.594	0.068X +	0.484Y +	4.61/	0.40 (	1.82/	0.16)
116 BIZYGOMATIC BRDTH	.500	0.048X +	0.477Y +	5.09/	0.50 (	2.00/	0.20)
117 BIGONIAL BREADTH	.348	0.072X +	0.309Y +	4.38/	0.53 (	1.72/	0.21)
118 NASAL BREADTH	.251	0.088X +	0.085Y +	0.34/	0.32 (	0.13/	0.13)
119 LIP LENGTH	.225	0.089X +	0.112Y +	1.11/	0.41 (	0.44/	0.16)
120 MENTON-SUBNASALE L	.259	0.195X -	0.004Y +	2.01/	0.49 (	0.79/	0.19)
121 MENTON-SELLION LTH	.341	0.266X +	0.144Y +	3.64/	0.58 (	1.43/	0.23)
122 SUBNASALE-SELLION	.248	0.094X +	0.122Y +	1.05/	0.40 (	0.41/	0.16)
123 EAR LENGTH	.162	0.093X +	0.048Y +	2.83/	0.44 (	1.11/	0.17)
124 EAR BREADTH	.104	0.051X -	0.007Y +	2.14/	0.33 (	0.84/	0.13)

TABLE XXVII
MULTIPLE CORRELATION COEFFICIENTS AND REGRESSION EQUATIONS BASED ON
HEAD LENGTH AND HEAD CIRCUMFERENCE

	MULT CORR	- - - EQUATIONS - - -			STD ERR EST	ENGLISH UNITS	
		A	B	C		C	S.E.
97 HEAD BREADTH	.499	-0.307X +	0.246Y +	6.67/	0.52 (	2.63/	0.20)
99 TRAGION-TOP HEAD	.373	0.001X +	0.175Y +	3.11/	0.71 (	1.22/	0.28)
100 ECTOCANTHUS-TOP HD	.360	0.054X +	0.187Y +	0.51/	0.86 (	0.20/	0.34)
101 PRONASALE-TOP HEAD	.348	0.185X +	0.191Y +	0.88/	1.10 (	0.34/	0.43)
102 SUBNASALE-TOP HEAD	.383	0.124X +	0.220Y +	1.56/	1.01 (	0.61/	0.40)
103 STOMION-TOP HEAD	.408	0.188X +	0.222Y +	2.18/	1.02 (	0.86/	0.40)
104 MENTON-TOP HEAD	.476	0.237X +	0.258Y +	3.39/	1.00 (	1.33/	0.39)
105 TRAGION TO WALL	.395	0.393X +	0.070Y -	0.90/	0.83 (	-0.36/	0.33)
106 ECTOCANTHUS-WALL	.559	0.527X +	0.141Y -	1.07/	0.80 (	-0.42/	0.32)
107 PRONASALE TO WALL	.595	0.646X +	0.106Y +	3.48/	0.77 (	1.37/	0.30)
108 SUBNASALE TO WALL	.541	0.562X +	0.117Y +	2.90/	0.83 (	1.14/	0.32)
109 LIP PROTRUS'N-WALL	.493	0.547X +	0.118Y +	2.76/	0.92 (	1.09/	0.36)
110 MENTON TO WALL	.376	0.480X +	0.081Y +	4.95/	1.05 (	1.95/	0.41)
111 SAGITTAL CURVATURE	.597	0.180X +	0.493Y +	4.42/	1.19 (	1.74/	0.47)
112 BITRAGION-CORONAL	.561	-0.417X +	0.589Y +	9.28/	1.16 (	3.65/	0.46)
113 BIOCLAR BREADTH	.260	0.043X +	0.065Y +	5.31/	0.47 (	2.09/	0.19)
114 BIAURICULAR BRDTH	.248	-0.233X +	0.194Y +	9.48/	0.92 (	3.73/	0.36)
115 BITRAGION BREADTH	.443	-0.175X +	0.176Y +	6.45/	0.45 (	2.54/	0.18)
116 BIZYGOMATIC BRDTH	.325	-0.152X +	0.150Y +	7.47/	0.55 (	2.94/	0.22)
117 BIGONIAL BREADTH	.215	-0.037X +	0.084Y +	6.26/	0.55 (	2.46/	0.22)
118 NASAL BREADTH	.306	-0.012X +	0.066Y -	0.21/	0.31 (	-0.08/	0.12)
119 LIP LENGTH	.210	0.020X +	0.048Y +	1.38/	0.41 (	0.54/	0.16)
120 MENTON-SUBNASALE L	.267	0.149X +	0.028Y +	1.26/	0.49 (	0.50/	0.19)
121 MENTON-SELLION LTH	.321	0.211X +	0.042Y +	4.44/	0.58 (	1.75/	0.23)
122 SUBNASALE-SELLION	.193	0.061X +	0.028Y +	1.89/	0.40 (	0.74/	0.16)
123 EAR LENGTH	.192	0.022X +	0.046Y +	2.31/	0.44 (	0.91/	0.17)
124 EAR BREADTH	.117	0.025X +	0.016Y +	1.64/	0.33 (	0.65/	0.13)

TABLE XXVII
MULTIPLE CORRELATION COEFFICIENTS AND REGRESSION EQUATIONS BASED ON
HEAD BREADTH AND HEAD CIRCUMFERENCE

	MULT	- - - EQUATIONS - - -			STD	ENGLISH UNITS	
	CORR	A	B	C	ERR EST	C	S.E.
96 HEAD LENGTH	.721	-0.256X +	0.330Y +	4.02/	0.47 (	1.58/	0.19)
99 TRAGION-TOP HEAD	.389	0.156X +	0.151Y +	2.18/	0.70 (	0.86/	0.28)
100 ECTOCANTHUS-TOP HD	.359	-0.034X +	0.208Y +	0.85/	0.86 (	0.33/	0.34)
101 PRONASALE-TOP HEAD	.341	-0.070X +	0.256Y +	1.73/	1.10 (	0.68/	0.43)
102 SUBNASALE-TOP HEAD	.381	-0.090X +	0.270Y +	2.41/	1.01 (	0.95/	0.40)
103 STOMION-TOP HEAD	.408	-0.175X +	0.303Y +	3.74/	1.02 (	1.47/	0.40)
104 MENTON-TOP HEAD	.467	-0.082X +	0.339Y +	4.50/	1.01 (	1.77/	0.40)
105 TRAGION TO WALL	.361	-0.236X +	0.221Y +	1.47/	0.84 (	0.58/	0.33)
106 ECTOCANTHUS-WALL	.511	-0.251X +	0.333Y +	1.74/	0.83 (	0.68/	0.33)
107 PRONASALE TO WALL	.518	-0.269X +	0.335Y +	6.71/	0.82 (	2.64/	0.32)
108 SUBNASALE TC WALL	.498	-0.336X +	0.333Y +	6.27/	0.85 (	2.47/	0.34)
109 LIP PROTRUS'N-WALL	.454	-0.326X +	0.327Y +	6.09/	0.94 (	2.40/	0.37)
110 MENTON TO WALL	.323	-0.160X +	0.245Y +	7.11/	1.08 (	2.80/	0.42)
111 SAGITTAL CURVATURE	.595	-0.074X +	0.557Y +	5.30/	1.20 (	2.09/	0.47)
112 BITRAGION-CORONAL	.580	0.542X +	0.383Y +	5.04/	1.14 (	1.98/	0.45)
113 BIOCULAR BREADTH	.281	0.104X +	0.061Y +	4.82/	0.47 (	1.90/	0.19)
114 BIAURICULAR BRDTH	.301	0.369X +	0.069Y +	6.69/	0.91 (	2.63/	0.36)
115 BITRAGION BREADTH	.611	0.424X +	0.059Y +	3.50/	0.40 (	1.38/	0.16)
116 BIZYGOMATIC BRDTH	.506	0.439X +	0.037Y +	4.50/	0.50 (	1.77/	0.20)
117 BIGONIAL BREADTH	.345	0.285X +	0.029Y +	4.46/	0.53 (	1.76/	0.21)
118 NASAL BREADTH	.309	0.020X +	0.057Y -	0.37/	0.31 (	-0.15/	0.12)
119 LIP LENGTH	.229	0.073X +	0.043Y +	0.96/	0.41 (	0.38/	0.16)
120 MENTON-SUBNASALE L	.239	-0.076X +	0.083Y +	2.09/	0.50 (	0.82/	0.20)
121 MENTON-SELLION LTH	.280	0.072X +	0.051Y +	4.59/	0.59 (	1.81/	0.23)
122 SUBNASALE-SELLION	.221	0.100X +	0.029Y +	1.50/	0.40 (	0.59/	0.16)
123 EAR LENGTH	.191	-0.001X +	0.052Y +	2.40/	0.44 (	0.94/	0.17)
124 EAR BREADTH	.123	-0.033X +	0.028Y +	1.92/	0.33 (	0.76/	0.13)

TABLE XXVII
MULTIPLE CORRELATION COEFFICIENTS AND REGRESSION EQUATIONS BASED ON
HEAD BREADTH AND MENTON-SELLION LENGTH

	MULT CORR	- - - EQUATIONS - - -			STD ERR EST	ENGLISH C	UNITS S.E.
		A	B	C			
96 HEAD LENGTH	.317	0.072X +	0.332Y +	13.84/	0.64 (	5.45/	0.25)
98 HEAD CIRCUMFERENCE	.475	1.077X +	0.540Y +	33.49/	1.43 (	13.19/	0.56)
99 TRAGION-TOP HEAD	.284	0.307X +	0.147Y +	6.71/	0.73 (	2.64/	0.29)
100 ECTOCANTHUS-TOP HD	.150	0.194X +	0.095Y +	7.94/	0.91 (	3.13/	0.36)
101 PRONASALE-TOP HEAD	.177	0.184X +	0.259Y +	9.34/	1.15 (	3.68/	0.45)
102 SUBNASALE-TOP HEAD	.199	0.176X +	0.284Y +	10.34/	1.08 (	4.07/	0.42)
103 STOMION-TOP HEAD	.234	0.110X +	0.398Y +	12.00/	1.09 (	4.72/	0.43)
104 MENTON-TOP HEAD	.427	0.183X +	0.744Y +	11.34/	1.03 (	4.47/	0.41)
105 TRAGION TO WALL	.132	-0.011X +	0.195Y +	8.26/	0.89 (	3.25/	0.35)
106 ECTOCANTHUS-WALL	.210	0.084X +	0.309Y +	11.86/	0.95 (	4.67/	0.37)
107 PRONASALE TO WALL	.262	0.054X +	0.399Y +	16.16/	0.93 (	6.36/	0.37)
108 SUBNASALE TO WALL	.197	-0.002X +	0.316Y +	16.33/	0.96 (	6.43/	0.38)
109 LIP PROTRUS'N-WALL	.166	0.007X +	0.286Y +	16.16/	1.04 (	6.36/	0.41)
110 MENTON TO WALL	.073	0.118X +	0.055Y +	15.94/	1.13 (	6.27/	0.45)
111 SAGITTAL CURVATURE	.265	0.522X +	0.320Y +	23.81/	1.44 (	9.37/	0.57)
112 BITRAGION-CORONAL	.445	0.931X +	0.340Y +	16.79/	1.26 (	6.61/	0.50)
113 BIOCLAR BREADTH	.247	0.158X +	0.102Y +	6.30/	0.48 (	2.48/	0.19)
114 BIAURICULAR BRDTH	.283	0.442X +	0.045Y +	8.94/	0.91 (	3.52/	0.36)
115 BITRAGION BREADTH	.593	0.480X +	0.071Y +	5.17/	0.40 (	2.03/	0.16)
116 BIZYGOMATIC BRDTH	.500	0.473X +	0.056Y +	5.44/	0.50 (	2.14/	0.20)
117 BIGONIAL BREADTH	.346	0.305X +	0.075Y +	4.96/	0.53 (	1.95/	0.21)
118 NASAL BREADTH	.203	0.087X +	0.057Y +	1.33/	0.32 (	0.52/	0.13)
119 LIP LENGTH	.200	0.111X +	0.069Y +	2.03/	0.41 (	0.80/	0.16)
120 MENTON-SUBNASALE L	.639	-0.076X +	0.541Y +	0.89/	0.39 (	0.35/	0.15)
122 SUBNASALE-SELLION	.600	0.065X +	0.386Y -	0.50/	0.33 (	-0.20/	0.13)
123 EAR LENGTH	.175	0.040X +	0.114Y +	3.44/	0.44 (	1.36/	0.17)
124 EAR BREADTH	.117	-0.012X +	0.065Y +	2.46/	0.33 (	0.97/	0.13)

TABLE XXVII
MULTIPLE CORRELATION COEFFICIENTS AND REGRESSION EQUATIONS BASED ON
HEAD LENGTH AND BITRAGION BREADTH

	MULT CORR	- - - EQUATIONS - - -			STD ERR EST	ENGLISH UNITS	
		A	B	C		C	S.E.
97 HEAD BREADTH	.587	0.020X +	0.693Y +	5.21/	0.48 (	2.05/	0.19)
98 HEAD CIRCUMFERENCE	.755	1.539X +	0.994Y +	13.72/	1.06 (	5.40/	0.42)
99 TRAGION-TOP HEAD	.282	0.271X +	0.174Y +	5.49/	0.73 (	2.16/	0.29)
100 ECTOCANTHUS-TOP HD	.278	0.349X +	0.130Y +	3.66/	0.88 (	1.44/	0.35)
101 PRONASALE-TOP HEAD	.305	0.476X +	0.218Y +	3.19/	1.12 (	1.25/	0.44)
102 SUBNASALE-TOP HEAD	.321	0.460X +	0.241Y +	4.34/	1.04 (	1.71/	0.41)
103 STOMION-TOP HEAD	.349	0.529X +	0.220Y +	5.25/	1.05 (	2.07/	0.41)
104 MENTON-TOP HEAD	.416	0.629X +	0.300Y +	6.46/	1.04 (	2.54/	0.41)
105 TRAGION TO WALL	.385	0.514X -	0.037Y +	1.19/	0.83 (	0.47/	0.33)
106 ECTOCANTHUS-WALL	.538	0.742X +	0.151Y +	0.76/	0.82 (	0.30/	0.32)
107 PRONASALE TO WALL	.585	0.806X +	0.136Y +	4.60/	0.78 (	1.81/	0.31)
108 SUBNASALE TO WALL	.526	0.742X +	0.115Y +	4.52/	0.83 (	1.78/	0.33)
109 LIP PROTRUSION-WALL	.477	0.732X +	0.084Y +	4.74/	0.93 (	1.87/	0.37)
110 MENTON TO WALL	.381	0.586X +	0.237Y +	4.39/	1.05 (	1.73/	0.41)
111 SAGITTAL CURVATURE	.474	0.948X +	0.408Y +	12.07/	1.31 (	4.75/	0.52)
112 BITRAGION-CORONAL	.381	0.469X +	0.767Y +	15.40/	1.30 (	6.06/	0.51)
113 BIJUGULAR BREADTH	.401	0.111X +	0.341Y +	3.23/	0.45 (	1.27/	0.18)
114 BIAURICULAR BRDTH	.375	0.006X +	0.712Y +	6.55/	0.88 (	2.58/	0.35)
116 BIZYGOMATIC BRDTH	.716	0. X +	0.828Y +	2.23/	0.40 (	0.88/	0.16)
117 BIGONIAL BREADTH	.528	0.035X +	0.585Y +	2.00/	0.48 (	0.79/	0.19)
118 NASAL BREADTH	.255	0.084X +	0.107Y +	0.27/	0.32 (	0.11/	0.13)
119 LIP LENGTH	.210	0.087X +	0.115Y +	1.29/	0.41 (	0.51/	0.16)
120 MENTON-SUBNASALE L	.259	0.193X +	0.012Y +	1.83/	0.49 (	0.72/	0.19)
121 MENTON-SELLION LTH	.340	0.260X +	0.172Y +	3.62/	0.58 (	1.43/	0.23)
122 SUBNASALE-SELLION	.247	0.089X +	0.145Y +	1.04/	0.40 (	0.41/	0.16)
123 EAR LENGTH	.197	0.084X +	0.116Y +	2.20/	0.44 (	0.86/	0.17)
124 EAR BREADTH	.138	0.043X +	0.062Y +	1.39/	0.33 (	0.55/	0.13)

with the standard error of estimate equaling 3.73 kg or 8.22 lb.

The several groups of predictors — primarily combinations of a measure of body linearity with a measure of body mass — in this table and the pages on which they start are:

- (a) Stature and weight, page 456.
- (b) Stature and bust circumference, page 459.
- (c) Stature and waist circumference, page 462.
- (d) Stature and hip circumference-seven inches below waist, page 465.
- (e) Cervicale height and weight, page 468.
- (f) Cervicale height and bust circumference, page 471.
- (g) Cervicale height and waist circumference, page 474.
- (h) Cervicale height and hip circumference-seven inches below waist, page 477.
- (i) Waist height and weight, page 480.
- (j) Waist height and bust circumference, page 483.
- (k) Waist height and waist circumference, page 486.
- (l) Waist height and hip circumference-seven inches below waist, page 489.
- (m) Various head and face measurements, page 492.

Stepwise Regression Equations: Table XXVIII and XXIX.

One of the most useful statistical tools to emerge from the application of the computer to procedures which has previously been ignored because of the computational labor involved, is that generally known as the stepwise regression procedure. The function of this procedure is to determine which combination of predictors of a given size will provide the best regression equation for any specified variable.

The computer program for the stepwise equations proceeds in this fashion to select a set of equations for a specified variable, say weight (table XXVIII, page 500). The variable with the highest correlation with weight is determined by inspection of the correlation matrix; the equation based on this variable (buttock circumference, sitting) is, of course, the best single predictor equation for weight, and the equation as given in the first column after the names in the table agrees with that given in table XXVII. To proceed to the two-predictor equation, the partial correlations for each variable with weight with buttock circumference, sitting 'partialled out' are computed. The variable with the highest partial correlation is chosen as the second variable and an equation based on this variable (shoulder circumference) and the one previously chosen is computed, and listed in the second column after the names in the table. This procedure—all the variables already chosen are partialled out at each point—usually continues until an equation with a pre-stated number of variables has been chosen. In tables XXVIII and XXIX, this number was arbitrarily set at eight. Since the pattern is the same throughout these tables, it may be useful to write out the eight equations for weight in detail (units here as in tables XXVIII and XXI X in kilograms and centimeters).

- 1) Weight = 1.117 buttock circumference, sitting - 53.96.
- 2) Weight = 0.780 buttock circumference, sitting
+ 0.542 shoulder circumference - 74.69
- 3) Weight = 0.702 buttock circumference, sitting
+ 0.510 shoulder circumference
+ 0.277 cervicale height - 102.23
- 4) Weight = 0.559 buttock circumference, sitting
+ 0.461 shoulder circumference
+ 0.270 cervicale height
+ 0.714 calf circumference, right - 106.42

- 5) Weight = 0.477 buttock circumference, sitting
+ 0.273 shoulder circumference
+ 0.284 cervicale height
+ 0.761 calf circumference, right
+ 0.269 bust circumference -107.03
- 6) Weight = 0.420 buttock circumference, sitting
+ 0.190 shoulder circumference
+ 0.321 cervicale height
+ 0.642 calf circumference, right
+ 0.235 bust circumference
+ 0.527 biceps circumference, right, flexed -105.15
- 7) Weight = 0.338 buttock circumference, sitting
+ 0.189 shoulder circumference
+ 0.332 cervicale height
+ 0.662 calf circumference, right
+ 0.185 bust circumference
+ 0.469 biceps circumference, right, flexed
+ 0.452 abdominal extension depth -102.47
- 8) Weight = 0.248 buttock circumference, sitting
+ 0.181 shoulder circumference
+ 0.342 cervicale height
+ 0.577 calf circumference, right
+ 0.189 bust circumference
+ 0.409 biceps circumference, right, flexed
+ 0.449 abdominal extension depth
+ 0.216 upper thigh circumference -101.83

The correlation coefficients are, successively, 0.904, 0.938, 0.956, 0.969, 0.976, 0.980, 0.982, 0.984.

Using one predictor we can estimate weight within ($\pm 2x$ standard error of estimate giving 95% confidence limits) about 6.4 kilograms (or 14 pounds); using two predictors our estimates can be expected to be within about 5.2 kg (or 11.5 lb); with three predictors, within 4.4 kg (or 10 pounds), and so forth.

The units are kilograms and centimeters in all cases.

There is no absolute guarantee that this procedure will work perfectly, but there seems to be every reason to believe that the equations it gives are at least exceedingly close to optimal for data such as ours. The program, incidentally, is designed to eliminate variables introduced in the early equations if, with the inclusion of other variables, the presence of earlier ones in the equation no longer reduces the standard error by at least some minimum amount. No such eliminations took place in the computation of these tables.

In preparing these tables, each left side measurement (biceps circumference, flexed; biceps circumference, relaxed; calf circumference; femoral breadth; and humeral breadth) was ruled out as a predictor of the corresponding right side measurement and vice versa.

Stature, maximum and sitting height, relaxed were similarly ruled out as predictors of stature and sitting height, respectively.

Table XXIX differs from table XXVIII in that stature and weight have been specified as always being the first two variables in the former. Thus, what columns 3 through 8 in this table actually provide are the regression equations which provide the best estimates of each variable, based on 1, 2 . . . , 6 *variables in addition to stature and weight*. Since in almost any anthropometric study, stature and weight will be measured, this table provides a basis for judging what other measures must be made in order to provide regression estimates of some desired level of accuracy.

The equations which do not involve weight can, like those in table XXVI, be easily converted from metric units to English units. All that is necessary is to multiply the constant term and the standard error of estimate by 0.3937. When weight is involved the conversion is a little more involved. If weight is the variable being predicted, the coefficients of each predictor variable should be multiplied by 5.6 and both the constant term and the standard error of estimate multiplied by 2.2. When a linear measure is being predicted, the coefficient of weight is divided by 5.6, and, as in the case when weight is not involved, the constant term and the standard error of estimate are multiplied by 0.3937.

TABLE XXVIII
STEPWISE MULTIPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING AGE

NO. 1

	CONSTANT	-11.466	-22.909	-31.462	-28.160	-27.746	-33.687	-22.753	-23.126
81	STRAP LENGTH	0.535	0.479	0.419	0.527	0.353	0.420	0.433	0.375
122	SUBNASALE-SELLION		3.320	2.944	2.909	2.894	2.562	2.682	2.655
123	EAR LENGTH			2.707	2.968	2.529	2.300	2.388	2.154
78	THIGH CLEARANCE				-0.929	-1.462	-1.312	-0.981	-1.164
58	BICEPS C, FLEXED, L					0.751	0.986	1.142	0.890
5	SUPRAILIA C SKINFOLD						-1.938	-2.110	-2.616
49	ANKLE CIRCUMFERENCE							-0.982	-0.948
76	ABDOMINAL EXT DPTH								0.706
	MULTIPLE CORRELATIONS	0.326	0.387	0.427	0.458	0.502	0.529	0.555	0.574
	ST ERRORS OF ESTIMATE	6.102	5.953	5.840	5.743	5.586	5.483	5.378	5.295

EQUATIONS FOR ESTIMATING WEIGHT

NO. 2

	CONSTANT	-53.96	-74.69	-102.23	-106.42	-107.03	-105.15	-102.47	-101.83
52	BUTTOCK CIRC, SIT	1.117	0.780	0.702	0.559	0.477	0.420	0.338	0.248
37	SHOULDER CIRCUMFER		0.542	0.510	0.461	0.273	0.190	0.189	0.181
9	CERVICAL HEIGHT			0.277	0.270	0.284	0.321	0.332	0.342
47	CALF CIRCUM, RIGHT				0.714	0.761	0.642	0.662	0.577
39	BUST CIRCUMFERENCE					0.259	0.235	0.185	0.189
56	BICEPS C, FLEXED, R						0.527	0.469	0.409
76	ABDOMINAL EXT DPTH							0.452	0.449
45	UPPER THIGH CIRCUM								0.216
	MULTIPLE CORRELATIONS	0.904	0.938	0.956	0.969	0.976	0.980	0.982	0.984
	ST ERRORS OF ESTIMATE	3.218	2.610	2.199	1.857	1.651	1.516	1.418	1.350

EQUATIONS FOR ESTIMATING TRICEPS SKINFOLD

NO. 3

	CONSTANT	-2.451	-2.233	-1.771	-1.531	-0.782	-1.060	-0.619	-0.729
55	BICEPS C, RELAXED, R	0.170	0.145	0.115	0.101	0.123	0.109	0.113	0.108
6	MEDIAL CALF SKINFOLD		0.265	0.227	0.225	0.206	0.188	0.182	0.168
5	SUPRAILIA C SKINFOLD			0.186	0.133	0.147	0.141	0.139	0.137
4	SUPRASCAPULAR SKINFOLD				0.176	0.206	0.210	0.189	0.196
38	CHEST CIRC AT SCYE					-0.016	-0.018	-0.015	-0.016
69	THIGH-THIGH BR, SIT						0.022	0.022	0.016
92	HAND BREADTH							-0.100	-0.116
46	KNEE CIRCUMFERENCE								0.019
	MULTIPLE CORRELATIONS	0.717	0.753	0.777	0.784	0.790	0.794	0.796	0.798
	ST ERRORS OF ESTIMATE	0.379	0.358	0.343	0.338	0.334	0.332	0.330	0.329

TABLE XXVIII
STEPWISE MULTIPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING SUBSCAPULAR SKINFOLD

NO. 4

	CONSTANT	-2.583	-1.728	-1.998	-0.859	-0.655	-0.831	-0.880	-1.120
54	AXILLARY ARM CIRC	0.141	0.091	0.066	0.078	0.065	0.055	0.059	0.046
5	SUPRAILIAIC SKINFOLD		0.262	0.228	0.220	0.192	0.178	0.182	0.181
76	ABDOMINAL EXT DPTH			0.049	0.051	0.047	0.034	0.040	0.037
71	HUMERAL BREADTH, L				-0.245	-0.238	-0.256	-0.214	-0.234
3	TRICEPS SKINFOLD					0.131	0.135	0.141	0.152
74	CHEST DEPTH						0.036	0.037	0.027
78	THIGH CLEARANCE							-0.039	-0.040
38	CHEST CIRC AT SCYE								0.012
	MULTIPLE CORRELATIONS	0.681	0.741	0.755	0.768	0.775	0.780	0.784	0.787
	ST ERRORS OF ESTIMATE	0.355	0.326	0.318	0.311	0.307	0.304	0.301	0.300

EQUATIONS FOR ESTIMATING SUPRAILIAIC SKINFOLD

NO. 5

	CONSTANT	0.747	-1.969	-1.836	-1.719	-2.274	-1.120	-1.340	-1.027
4	SUBSCAPULAR SKINFOLD	0.953	0.609	0.447	0.448	0.438	0.429	0.395	0.399
41	WAIST CIRCUMFERENCE		0.047	0.039	0.043	0.038	0.040	0.033	0.038
3	TRICEPS SKINFOLD			0.322	0.328	0.318	0.315	0.273	0.270
1	AGE				-0.017	-0.019	-0.019	-0.019	-0.019
80	NECK-BUST POINT L					0.038	0.040	0.037	0.037
111	SAGITTAL CURVATURE						-0.038	-0.040	-0.040
54	AXILLARY ARM CIRC							0.035	0.039
84	BACK CURVATURE								-0.018
	MULTIPLE CORRELATIONS	0.659	0.717	0.742	0.758	0.762	0.766	0.769	0.772
	ST ERRORS OF ESTIMATE	0.527	0.489	0.470	0.458	0.455	0.451	0.449	0.447

EQUATIONS FOR ESTIMATING MEDIAL GALE SKINFOLD

NO. 6

	CONSTANT	0.672	-1.027	0.165	-0.069	0.606	0.916	1.322	1.141
3	TRICEPS SKINFOLD	0.485	0.373	0.350	0.299	0.347	0.299	0.297	0.293
47	GALE CIRCUM, RIGHT		0.056	0.071	0.042	0.050	0.051	0.050	0.051
94	FOOT LENGTH			-0.069	-0.085	-0.072	-0.070	-0.063	-0.058
46	KNEE CIRCUMFERENCE				0.047	0.054	0.052	0.054	0.054
37	SHOULDER CIRCUMFER					-0.016	-0.020	-0.019	-0.017
5	SUPRAILIAIC SKINFOLD						0.088	0.091	0.083
113	BIOCULAR BREADTH							-0.074	-0.071
125	GRIP STRENGTH								-0.006
	MULTIPLE CORRELATIONS	0.511	0.554	0.571	0.582	0.594	0.600	0.604	0.607
	ST ERRORS OF ESTIMATE	0.444	0.430	0.425	0.421	0.416	0.414	0.412	0.411

TABLE XXVIII
STEPWISE MULTIPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING STATURE

NO. 7

	CONSTANT	14.138	6.949	6.647	6.362	4.928	4.892	3.598	3.484
9	CERVICALE HEIGHT	1.063	0.940	0.541	0.452	0.482	0.418	0.425	0.423
23	SITTING HEIGHT		0.284	0.264	0.361	0.473	0.520	0.499	0.515
11	SUPRASTERNAL HT			0.436	0.375	0.368	0.268	0.258	0.259
17	GLUTEAL FURROW HGT				0.175	0.156	0.140	0.141	0.142
25	MIDSHOULDER HT, SIT					-0.173	-0.257	-0.239	-0.223
10	ACROMIAL HEIGHT						0.181	0.176	0.175
104	MENTON-TOP HEAD							0.136	0.130
26	WAIST HGT, SITTING								-0.079
	MULTIPLE CORRELATIONS	0.977	0.982	0.986	0.988	0.988	0.989	0.989	0.989
	ST ERRORS OF ESTIMATE	1.276	1.130	0.992	0.942	0.916	0.892	0.881	0.874

EQUATIONS FOR ESTIMATING STATURE, MAXIMUM

NO. 8

	CONSTANT	14.087	6.801	6.382	5.860	4.839	4.935	3.581	3.733
9	CERVICALE HEIGHT	1.068	0.942	0.541	0.457	0.487	0.423	0.429	0.403
23	SITTING HEIGHT		0.290	0.270	0.362	0.472	0.519	0.501	0.516
11	SUPRASTERNAL HT			0.439	0.381	0.374	0.273	0.264	0.234
17	GLUTEAL FURROW HGT				0.155	0.146	0.130	0.131	0.115
25	MIDSHOULDER HT, SIT					-0.177	-0.256	-0.239	-0.220
10	ACROMIAL HEIGHT						0.181	0.177	0.165
104	MENTON-TOP HEAD							0.124	0.118
14	ABDOMINAL EXT HGT								0.085
	MULTIPLE CORRELATIONS	0.979	0.984	0.988	0.989	0.990	0.990	0.991	0.991
	ST ERRORS OF ESTIMATE	1.239	1.081	0.935	0.887	0.860	0.835	0.825	0.816

EQUATIONS FOR ESTIMATING CERVICALE HEIGHT

NO. 9

	CONSTANT	-6.789	-3.485	-1.335	-1.601	-1.661	-1.328	-1.915	-2.100
8	STATURE, MAXIMUM	0.897	0.615	0.586	0.521	0.456	0.452	0.424	0.412
10	ACROMIAL HEIGHT		0.323	0.260	0.245	0.197	0.190	0.227	0.218
19	CROTCH HEIGHT			0.145	0.205	0.125	0.088	0.084	0.122
85	WAIST BACK				0.208	0.269	0.274	0.262	0.282
13	WAIST HEIGHT					0.204	0.187	0.176	0.146
19	TIBIALE HEIGHT						0.131	0.125	0.137
79	SHOULDER LENGTH							0.164	0.157
26	WAIST HGT, SITTING								0.098
	MULTIPLE CORRELATIONS	0.979	0.983	0.984	0.986	0.987	0.988	0.988	0.988
	ST ERRORS OF ESTIMATE	1.136	1.023	0.981	0.915	0.876	0.861	0.849	0.838

TABLE XXVIII
STEPWISE MULTIPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING ACROMIAL HEIGHT

NO. 10

	CONSTANT	-0.141	-2.668	-0.010	-1.907	2.099	0.629	-0.338	0.026
11	SUPRASTERNAL HEIGHT	1.000	0.552	0.534	0.533	0.565	0.423	0.409	0.329
9	CERVICAL HEIGHT		0.443	0.493	0.441	0.446	0.255	0.244	0.234
79	SHOULDER LENGTH			-0.494	-0.479	-0.432	-0.422	-0.416	-0.397
25	MIDSHOULDER HT, SIT				0.156	0.371	0.442	0.443	0.432
23	SITTING HEIGHT					-0.258	-0.398	-0.359	-0.324
8	STATURE, MAXIMUM						0.335	0.298	0.257
31	ACROMION-RADIAL L							0.222	0.226
12	BUSTPOINT HEIGHT								0.131
	MULTIPLE CORRELATIONS	0.967	0.973	0.976	0.978	0.980	0.982	0.983	0.983
	ST ERRORS OF ESTIMATE	1.394	1.271	1.182	1.145	1.090	1.048	1.022	0.998

EQUATIONS FOR ESTIMATING SUPRASTERNAL HEIGHT

NO. 11

	CONSTANT	-7.636	-3.503	-2.218	-4.904	-3.740	-3.979	-3.668	-2.888
8	STATURE, MAXIMUM	0.858	0.515	0.455	0.381	0.342	0.321	0.278	0.240
10	ACROMIAL HEIGHT		0.392	0.293	0.217	0.180	0.189	0.154	0.161
12	BUSTPOINT HEIGHT			0.182	0.330	0.296	0.239	0.164	0.197
81	STRAP LENGTH				0.111	0.117	0.083	0.039	0.087
14	ABDOMINAL EXT HGT					0.147	0.207	0.072	0.060
86	ANTERIOR WAIST LTH						0.174	0.324	0.343
13	WAIST HEIGHT							0.305	0.321
39	BUST CIRCUMFERENCE								-0.041
	MULTIPLE CORRELATIONS	0.974	0.981	0.983	0.985	0.986	0.987	0.989	0.989
	ST ERRORS OF ESTIMATE	1.195	1.034	0.982	0.929	0.892	0.852	0.796	0.782

EQUATIONS FOR ESTIMATING BUSTPOINT HEIGHT

NO. 12

	CONSTANT	-3.914	6.538	6.455	4.799	4.333	2.776	0.361	0.961
11	SUPRASTERNAL HEIGHT	0.926	0.999	0.662	0.693	0.662	0.581	0.477	0.461
81	STRAP LENGTH		-0.308	-0.306	-0.402	-0.231	-0.201	-0.218	-0.213
10	ACROMIAL HEIGHT			0.337	0.300	0.325	0.387	0.328	0.331
39	BUST CIRCUMFERENCE				0.097	0.099	0.100	0.110	0.060
80	NECK-BUST POINT L					-0.395	-0.488	-0.475	-0.506
79	SHOULDER LENGTH						0.300	0.254	0.278
7	STATURE							0.151	0.160
74	CHEST DEPTH								0.180
	MULTIPLE CORRELATIONS	0.942	0.967	0.971	0.974	0.976	0.978	0.978	0.979
	ST ERRORS OF ESTIMATE	1.752	1.325	1.240	1.177	1.132	1.101	1.085	1.073

TABLE XXVIII
STEPWISE MULTIPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING WAIST HEIGHT

NO. 13

	CONSTANT	10.574	0.618	4.002	2.483	3.444	2.340	2.053	2.710
14	ABDOMINAL EXT HGT	0.963	0.598	0.352	0.359	0.338	0.289	0.311	0.270
11	SUPRASTERNAL HGT		0.333	0.614	0.600	0.641	0.439	0.428	0.410
86	ANTERIOR WAIST LTH			-0.523	-0.571	-0.545	-0.510	-0.497	-0.480
74	CHEST DEPTH				0.183	0.170	0.155	0.144	0.136
85	WAIST BACK					-0.123	-0.211	-0.193	-0.164
9	CERVICAL HEIGHT						0.252	0.230	0.198
26	WAIST HGT, SITTING							0.079	0.118
19	CROTCH HEIGHT								0.101
	MULTIPLE CORRELATIONS	0.947	0.960	0.976	0.978	0.980	0.981	0.982	0.982
	ST ERRORS OF ESTIMATE	1.446	1.260	0.988	0.931	0.906	0.863	0.855	0.844

EQUATIONS FOR ESTIMATING ABDOMINAL EXTENSION HEIGHT

NO. 14

	CONSTANT	-0.208	2.455	4.790	0.620	0.652	-0.348	-0.780	0.968
13	WAIST HEIGHT	0.931	0.634	0.672	0.511	0.479	0.477	0.473	0.470
19	CROTCH HEIGHT		0.364	0.339	0.286	0.206	0.221	0.229	0.182
42	ABDOMINAL EXT CIRC			-0.050	-0.058	-0.062	-0.100	-0.075	-0.074
11	SUPRASTERNAL HGT				0.189	0.173	0.156	0.146	0.237
16	BUTTOCK HEIGHT					0.141	0.136	0.146	0.125
43	HIP C-7" BLW WAIST						0.064	0.082	0.085
76	ABDOMINAL EXT DPTH							-0.148	-0.158
23	SITTING HEIGHT								-0.098
	MULTIPLE CORRELATIONS	0.947	0.957	0.960	0.964	0.965	0.966	0.967	0.967
	ST ERRORS OF ESTIMATE	1.422	1.284	1.236	1.185	1.163	1.148	1.136	1.124

EQUATIONS FOR ESTIMATING TROCHANTERIC HEIGHT

NO. 15

	CONSTANT	11.521	1.217	-3.087	-3.970	-3.703	-3.349	-3.777	-2.816
19	CROTCH HEIGHT	0.955	0.528	0.465	0.331	0.335	0.295	0.279	0.272
13	WAIST HEIGHT		0.420	0.319	0.243	0.245	0.225	0.214	0.229
35	OVERHEAD REACH			0.096	0.091	0.097	0.094	0.084	0.086
16	BUTTOCK HEIGHT				0.237	0.239	0.192	0.178	0.187
20	ANKLE HEIGHT					-0.190	-0.196	-0.174	-0.149
17	GLUTEAL FURROW HGT						0.126	0.121	0.111
31	ACROMION-RADIAL L							0.193	0.202
83	INTERSCYE, MAXIMUM								-0.059
	MULTIPLE CORRELATIONS	0.901	0.920	0.926	0.930	0.932	0.933	0.934	0.935
	ST ERRORS OF ESTIMATE	1.848	1.672	1.614	1.568	1.549	1.536	1.524	1.514

TABLE XXVIII
STEPWISE MULTIPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING BUTTOCK HEIGHT

NO. 16

	CONSTANT	12.402	9.180	3.784	1.295	-1.474	-1.303	-1.736	-0.761
19	CROTCH HEIGHT	0.937	0.587	0.440	0.307	0.262	0.216	0.229	0.206
17	GLUTEAL FURROW HGT		0.403	0.383	0.320	0.307	0.280	0.285	0.272
30	BUTTOCK-KNEE LENGTH			0.310	0.265	0.267	0.237	0.136	0.190
14	ABDOMINAL EXT HGT				0.210	0.178	0.138	0.175	0.190
28	POPLITEAL HEIGHT					0.242	0.232	0.228	0.224
15	TROCHANTERIC HGT						0.134	0.123	0.125
76	ABDOMINAL EXT DPTH							0.121	0.162
68	HIP BREADTH								-0.105
	MULTIPLE CORRELATIONS	0.907	0.924	0.931	0.935	0.937	0.938	0.940	0.940
	ST ERRORS OF ESTIMATE	1.757	1.591	1.519	1.481	1.457	1.441	1.428	1.418

EQUATIONS FOR ESTIMATING GLUTEAL FURROW HEIGHT

NO. 17

	CONSTANT	3.478	2.417	-1.914	2.075	2.262	2.135	-0.397	0.443
16	BUTTOCK HEIGHT	0.842	0.448	0.383	0.391	0.345	0.316	0.296	0.245
19	CROTCH HEIGHT		0.449	0.347	0.301	0.224	0.170	0.155	0.091
12	BUSTPOINT HEIGHT			0.146	0.214	0.189	0.174	0.110	0.101
50	VERTICAL TRUNK CIR				-0.060	-0.065	-0.065	-0.084	-0.063
15	TROCHANTERIC HGT					0.158	0.161	0.150	0.113
18	TIBIALE HEIGHT						0.192	0.173	0.133
7	STATURE							0.108	0.317
23	SITTING HEIGHT								-0.271
	MULTIPLE CORRELATIONS	0.885	0.906	0.911	0.915	0.917	0.919	0.920	0.924
	ST ERRORS OF ESTIMATE	1.843	1.678	1.637	1.603	1.582	1.565	1.553	1.515

EQUATIONS FOR ESTIMATING TIBIALE HEIGHT

NO. 18

	CONSTANT	4.954	3.817	-0.128	-2.100	-1.956	-3.469	-3.751	-4.651
19	CROTCH HEIGHT	0.497	0.460	0.242	0.205	0.161	0.157	0.139	0.139
20	ANKLE HEIGHT		0.348	0.354	0.351	0.341	0.319	0.293	0.295
14	ABDOMINAL EXT HGT			0.216	0.190	0.158	0.153	0.144	0.138
28	POPLITEAL HEIGHT				0.175	0.162	0.155	0.145	0.143
17	GLUTEAL FURROW HGT					0.093	0.097	0.092	0.096
83	INTERSCYE, MAXIMUM						0.051	0.049	0.040
32	RADIALE-STYLION L							0.155	0.149
49	ANKLE CIRCUMFERENCE								0.086
	MULTIPLE CORRELATIONS	0.842	0.863	0.878	0.881	0.884	0.887	0.889	0.890
	ST ERRORS OF ESTIMATE	1.281	1.201	1.140	1.123	1.112	1.101	1.092	1.088

TABLE XXVIII
STEPWISE MULTIPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING CROTCH HEIGHT

NO. 19

	CONSTANT	-3.464	-5.012	-5.218	-4.978	-2.618	-5.208	-2.299	-2.064
14	ABDOMINAL EXT HGT	0.837	0.490	0.363	0.294	0.314	0.245	0.225	0.211
16	BUTTOCK HEIGHT		0.412	0.305	0.253	0.245	0.218	0.185	0.174
15	TROCHANTERIC HGT			0.252	0.245	0.235	0.202	0.191	0.197
18	TIBIALE HEIGHT				0.263	0.254	0.213	0.176	0.177
27	ELBOW REST HEIGHT					-0.104	-0.161	-0.097	-0.101
9	CERVICAL HEIGHT						0.122	0.247	0.261
23	SITTING HEIGHT							-0.172	-0.169
1	AGE								-0.029
	MULTIPLE CORRELATIONS	0.919	0.938	0.944	0.948	0.950	0.951	0.953	0.954
	ST ERRORS OF ESTIMATE	1.594	1.398	1.329	1.288	1.263	1.244	1.219	1.205

EQUATIONS FOR ESTIMATING ANKLE HEIGHT

NO. 20

	CONSTANT	0.607	3.548	0.047	0.884	0.263	1.279	0.738	0.347
18	TIBIALE HEIGHT	0.252	0.312	0.290	0.292	0.255	0.340	0.301	0.281
91	HAND LENGTH		-0.297	-0.317	-0.285	-0.440	-0.382	-0.377	-0.408
36	NECK CIRCUMFERENCE			0.142	0.182	0.165	0.160	0.156	0.154
48	CALF CIRCUM, LEFT				-0.083	-0.100	-0.099	-0.091	-0.099
94	FOOT LENGTH					0.256	0.290	0.257	0.276
14	ABDOMINAL EXT HGT						-0.068	-0.094	-0.110
87	SLEEVE INSEAM							0.117	0.136
21	LAT'L MALLEOLUS HT								0.345
	MULTIPLE CORRELATIONS	0.443	0.479	0.508	0.524	0.539	0.551	0.566	0.581
	ST ERRORS OF ESTIMATE	1.215	1.189	1.167	1.155	1.142	1.132	1.119	1.104

EQUATIONS FOR ESTIMATING LATERAL MALLEOLUS HEIGHT

NO. 21

	CONSTANT	-0.034	-0.697	-0.552	-0.426	-0.369	0.025	-0.208	0.012
7	STATURE	0.042	0.037	0.040	0.050	0.049	0.030	0.029	0.037
73	FEMORAL BREADTH, L		0.181	0.228	0.216	0.213	0.207	0.170	0.164
68	HIP BREADTH			-0.029	-0.032	-0.032	-0.028	-0.045	-0.044
87	SLEEVE INSEAM				-0.035	-0.046	-0.060	-0.061	-0.050
20	ANKLE HEIGHT					0.055	0.059	0.064	0.067
14	ABDOMINAL EXT HGT						0.034	0.036	0.041
47	CALF CIRCUM, RIGHT							0.032	0.035
35	OVERHEAD REACH								-0.013
	MULTIPLE CORRELATIONS	0.426	0.444	0.454	0.466	0.480	0.492	0.500	0.507
	ST ERRORS OF ESTIMATE	0.531	0.526	0.523	0.520	0.516	0.512	0.509	0.507

TABLE XXVIII
STEPWISE MULTIPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING SITTING HEIGHT, RELAXED

NO. 22

	CONSTANT	13.448	11.787	6.039	3.761	5.482	3.741	3.583	3.402
24	EYE HEIGHT, SITTING	0.961	0.679	0.581	0.488	0.460	0.489	0.454	0.441
25	MIDSHOULDER HT, SIT		0.387	0.306	0.238	0.233	0.229	0.215	0.189
7	STATURE			0.109	0.294	0.340	0.311	0.366	0.380
19	CROTCH HEIGHT				-0.227	-0.176	-0.159	-0.104	-0.083
30	BUTTOCK-KNEE LENGTH					-0.185	-0.185	-0.194	-0.290
100	ECTOCANTHUS-TOP HD						0.278	0.259	0.253
17	GLUTEAL FURROW HGT							-0.120	-0.108
44	HIP C-9" BLW WAIST								0.037
	MULTIPLE CORRELATIONS	0.903	0.920	0.929	0.937	0.940	0.943	0.945	0.946
	ST ERRORS OF ESTIMATE	1.394	1.276	1.203	1.140	1.108	1.081	1.063	1.053

EQUATIONS FOR ESTIMATING SITTING HEIGHT

NO. 23

	CONSTANT	14.770	12.975	7.533	4.880	4.254	2.855	2.607	3.724
24	EYE HEIGHT, SITTING	0.961	0.658	0.565	0.466	0.416	0.447	0.424	0.413
25	MIDSHOULDER HT, SIT		0.416	0.339	0.267	0.358	0.354	0.336	0.320
8	STATURE, MAXIMUM			0.103	0.296	0.416	0.377	0.412	0.424
19	CROTCH HEIGHT				-0.232	-0.168	-0.160	-0.123	-0.102
10	ACROMIAL HEIGHT					-0.196	-0.174	-0.162	-0.139
100	ECTOCANTHUS-TOP HD						0.236	0.224	0.227
17	GLUTEAL FURROW HGT							-0.095	-0.102
30	BUTTOCK-KNEE LENGTH								-0.095
	MULTIPLE CORRELATIONS	0.928	0.947	0.955	0.963	0.966	0.968	0.969	0.970
	ST ERRORS OF ESTIMATE	1.185	1.019	0.937	0.857	0.820	0.794	0.779	0.767

EQUATIONS FOR ESTIMATING EYE HEIGHT, SITTING

NO. 24

	CONSTANT	-2.907	-0.283	-0.061	1.738	1.681	2.164	2.664	2.704
23	SITTING HEIGHT	0.895	0.920	0.883	0.894	0.885	0.892	0.869	0.870
100	ECTOCANTHUS-TOP HD		-0.405	-0.391	-0.344	-0.349	-0.350	-0.334	-0.338
26	WAIST HGT, SITTING			0.119	0.118	0.108	0.104	0.090	0.079
111	SAGITTAL CURVATURE				-0.094	-0.099	-0.094	-0.089	-0.094
78	THIGH CLEARANCE					0.104	0.155	0.166	0.180
67	WAIST BREADTH						-0.074	-0.072	-0.083
27	ELBOW REST HEIGHT							0.055	0.056
1	AGE								0.018
	MULTIPLE CORRELATIONS	0.928	0.935	0.937	0.938	0.939	0.939	0.940	0.941
	ST ERRORS OF ESTIMATE	1.143	1.084	1.071	1.064	1.057	1.050	1.044	1.039

TABLE XXVIII
STEPWISE MULTIPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING MIDSHOULDER HEIGHT, SITTING

NO. 25

	CONSTANT	-5.261	-7.202	-3.940	-5.077	-2.962	-2.340	-2.531	-1.434
23	SITTING HEIGHT	0.739	0.518	0.443	0.343	0.305	0.408	0.387	0.390
51	VERTICAL TRK C,SIT		0.139	0.126	0.096	0.116	0.101	0.109	0.104
27	ELBOW REST HEIGHT			0.225	0.287	0.243	0.212	0.208	0.210
10	ACROMIAL HEIGHT				0.097	0.161	0.259	0.255	0.253
30	BUTTOCK-KNEE LGTH					-0.162	-0.123	-0.113	-0.099
8	STATURE, MAXIMUM						-0.133	-0.140	-0.140
85	WAIST BACK							0.082	0.082
72	FEMORAL BREADTH, R								-0.313
MULTIPLE CORRELATIONS		0.881	0.908	0.924	0.932	0.936	0.938	0.939	0.940
ST ERRORS OF ESTIMATE		1.258	1.116	1.015	0.964	0.938	0.926	0.916	0.908

EQUATIONS FOR ESTIMATING WAIST HEIGHT, SITTING

NO. 26

	CONSTANT	-0.439	2.074	1.353	2.671	0.826	-1.321	-0.747	-0.305
24	EYE HEIGHT,SITTING	0.323	0.456	0.257	0.285	0.296	0.183	0.165	0.164
85	WAIST BACK		-0.304	-0.388	-0.358	-0.342	-0.362	-0.354	-0.347
25	MIDSHOULDER HT,SIT			0.324	0.342	0.315	0.249	0.191	0.187
86	ANTERIOR WAIST LTH				-0.168	-0.219	-0.232	-0.238	-0.244
74	CHEST DEPTH					0.155	0.161	0.173	0.132
23	SITTING HEIGHT						0.180	0.201	0.205
27	ELBOW REST HEIGHT							0.081	0.077
3	TRICEPS SKINFOLD								0.301
MULTIPLE CORRELATIONS		0.569	0.648	0.698	0.715	0.733	0.740	0.745	0.750
ST ERRORS OF ESTIMATE		1.426	1.321	1.243	1.213	1.180	1.167	1.158	1.150

EQUATIONS FOR ESTIMATING ELBOW REST HEIGHT

NO. 27

	CONSTANT	-11.976	5.818	5.653	8.189	8.291	6.143	6.308	6.248
25	MIDSHOULDER HT,SIT	0.598	0.814	0.834	0.847	0.837	0.693	0.674	0.680
90	SPINE-TO-WRIST LTH		-0.381	-0.240	-0.162	-0.063	-0.070	-0.076	-0.068
31	ACROMION-RADIALE L			-0.394	-0.446	-0.353	-0.367	-0.373	-0.365
63	BIACROMIAL BREADTH				-0.220	-0.241	-0.256	-0.254	-0.243
87	SLEEVE INSEAM					-0.216	-0.209	-0.197	-0.219
24	EYE HEIGHT,SITTING						0.159	0.138	0.135
26	WAIST HGHT,SITTING							0.109	0.115
1	AGE								-0.022
MULTIPLE CORRELATIONS		0.646	0.791	0.809	0.817	0.826	0.833	0.835	0.837
ST ERRORS OF ESTIMATE		1.880	1.505	1.449	1.421	1.389	1.364	1.356	1.350

TABLE XXVIII
STEPWISE MULTIPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING POPLITEAL HEIGHT

NO. 28

	CONSTANT	13.928	11.813	11.503	9.599	9.992	9.416	9.877	9.051
19	CROTCH HEIGHT	0.364	0.207	0.157	0.135	0.127	0.094	0.084	0.082
16	BUTTOCK HEIGHT		0.168	0.141	0.128	0.128	0.109	0.112	0.113
18	TIBIALE HEIGHT			0.149	0.152	0.158	0.140	0.140	0.135
91	HAND LENGTH				0.244	0.263	0.240	0.241	0.195
1	AGE					-0.017	-0.017	-0.015	-0.016
14	ABDOMINAL EXT HGT						0.062	0.075	0.076
26	WAIST HGHT, SITTING							-0.053	-0.056
92	HAND BREADTH								0.258
MULTIPLE CORRELATIONS		0.788	0.804	0.810	0.816	0.818	0.820	0.821	0.823
ST ERRORS OF ESTIMATE		1.146	1.107	1.092	1.076	1.071	1.067	1.064	1.060

EQUATIONS FOR ESTIMATING BUTTOCK-POPLITEAL LENGTH

NO. 29

	CONSTANT	-4.319	-2.819	-1.384	-0.907	-0.185	-0.743	0.288	0.141
30	BUTTOCK-KNEE LGTH	0.906	0.953	0.945	0.925	0.934	0.875	0.845	0.845
47	CALF CIRCUM, RIGHT		-0.123	-0.111	-0.164	-0.158	-0.160	-0.152	-0.147
27	ELBOW REST HEIGHT			-0.061	-0.069	-0.072	-0.092	-0.066	-0.063
45	UPPER THIGH CIRCUM				0.048	0.047	0.058	0.061	0.056
79	SHOULDER LENGTH					-0.090	-0.115	-0.096	-0.095
11	SUPRASTERNAL HGT						0.032	0.065	0.067
22	SITTING HT, RELAXED							-0.059	-0.064
1	AGE								0.014
MULTIPLE CORRELATIONS		0.865	0.870	0.872	0.873	0.874	0.874	0.875	0.875
ST ERRORS OF ESTIMATE		1.382	1.360	1.353	1.346	1.344	1.342	1.339	1.336

EQUATIONS FOR ESTIMATING BUTTOCK-KNEE LENGTH

NO. 30

	CONSTANT	18.019	4.709	1.672	4.205	3.584	5.581	4.213	3.813
29	BUTTOCK-POPLIT'L L	0.826	0.571	0.467	0.380	0.366	0.321	0.305	0.293
11	SUPRASTERNAL HGT		0.193	0.202	0.082	0.060	0.170	0.057	0.077
77	BUTTOCK DEPTH			0.322	0.383	0.248	0.231	0.244	0.256
19	CROTCH HEIGHT				0.217	0.240	0.178	0.149	0.134
44	HIP C-9" BLW WAIST					0.056	0.068	0.069	0.071
22	SITTING HT, RELAXED						-0.125	-0.190	-0.151
7	STATURE							0.150	0.154
25	MIDSHOULDER HT, SIT								-0.085
MULTIPLE CORRELATIONS		0.865	0.910	0.931	0.942	0.945	0.948	0.951	0.952
ST ERRORS OF ESTIMATE		1.320	1.090	0.961	0.883	0.863	0.836	0.818	0.811

TABLE XXVIII
STEPWISE MULTIPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING ACROMION-RADIALE LENGTH

NO. 31

	CONSTANT	1.092	-0.055	0.992	1.344	2.038	1.185	1.154	1.207
90	SPINE-TO-WRIST LTH	0.376	0.222	0.277	0.123	0.128	0.111	-0.000	0.293
15	TROCHANTERIC HGHT		0.162	0.140	0.152	0.154	0.134	0.117	0.117
88	SPINE-TO-SCYE LGTH			-0.177	-0.225	-0.227	-0.229	-0.173	-0.173
89	SPINE-TO-ELBOW LTH				0.223	0.256	0.261	0.316	0.315
79	SHOULDER LENGTH					-0.203	-0.221	-0.241	-0.240
91	HAND LENGTH						0.212	0.233	0.233
87	SLEEVE INSEAM							0.138	0.138
90	SPINE-TO-WRIST LTH								-0.085
	MULTIPLE CORRELATIONS	0.768	0.819	0.829	0.836	0.843	0.849	0.855	0.855
	ST ERRORS OF ESTIMATE	1.041	0.933	0.911	0.894	0.875	0.861	0.845	0.845

EQUATIONS FOR ESTIMATING RADIALE-STYLION LENGTH

NO. 32

	CONSTANT	3.706	2.176	-0.366	-0.590	-1.890	-2.423	-2.337	-2.527
87	SLEEVE INSEAM	0.446	0.337	0.262	0.179	0.197	0.198	0.192	0.190
18	TIBIALE HEIGHT		0.151	0.116	0.076	0.066	0.067	0.058	0.051
90	SPINE-TO-WRIST LTH			0.092	0.464	0.446	0.435	0.437	0.428
89	SPINE-TO-ELBOW LTH				-0.449	-0.453	-0.442	-0.441	-0.436
50	VERTICAL TRUNK CIR					0.016	0.017	0.016	0.014
118	NASAL BREADTH						0.182	0.177	0.149
20	ANKLE HEIGHT							0.046	0.046
94	FOOT LENGTH								0.059
	MULTIPLE CORRELATIONS	0.788	0.808	0.818	0.857	0.859	0.860	0.861	0.862
	ST ERRORS OF ESTIMATE	0.843	0.807	0.787	0.707	0.700	0.698	0.696	0.695

EQUATIONS FOR ESTIMATING THUMB-TIP REACH

NO. 33

	CONSTANT	10.146	11.159	6.132	5.464	4.933	6.560	6.606	6.418
90	SPINE-TO-WRIST LTH	0.804	0.473	0.341	0.288	0.211	0.282	0.214	0.195
87	SLEEVE INSEAM		0.574	0.518	0.436	0.520	0.430	0.356	0.400
94	FOOT LENGTH			0.748	0.652	0.580	0.574	0.530	0.523
34	THUMB-TIP, EXTENDED				0.129	0.121	0.134	0.125	0.124
67	WAIST BREADTH					0.222	0.337	0.332	0.333
65	CHEST BREADTH						-0.251	-0.259	-0.285
31	ACROMION-RADIALE L							0.348	0.334
1	AGE								0.049
	MULTIPLE CORRELATIONS	0.689	0.722	0.741	0.750	0.756	0.762	0.767	0.771
	ST ERRORS OF ESTIMATE	2.812	2.682	2.606	2.566	2.539	2.516	2.494	2.476

TABLE XXVIII
STEPWISE MULTIPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING THUMB-TIP REACH, EXTENDED										NO. 34
	CONSTANT	5.338	-0.226	0.476	-4.247	0.262	-6.980	-7.887	-6.711	
35	OVERHEAD REACH	0.394	0.301	0.248	0.218	0.220	0.212	0.209	0.205	
33	THUMB-TIP REACH		0.325	0.252	0.231	0.242	0.236	0.229	0.245	
87	SLEEVE INSEAM			0.346	0.429	0.420	0.415	0.413	0.409	
65	CHEST BREADTH				0.307	0.343	0.314	0.261	0.359	
116	BIZYGOMATIC BRDTH					-0.491	-0.623	-0.702	-0.711	
98	HEAD CIRCUMFERENCE						0.219	0.193	0.197	
36	NECK CIRCUMFERENCE							0.179	0.201	
82	INTERSCYE								-0.142	
MULTIPLE CORRELATIONS		0.692	0.720	0.727	0.736	0.738	0.741	0.743	0.745	
ST ERRORS OF ESTIMATE		3.523	3.387	3.350	3.305	3.295	3.280	3.271	3.261	

EQUATIONS FOR ESTIMATING OVERHEAD REACH										NO. 35
	CONSTANT	15.216	10.864	11.186	15.122	11.014	10.356	7.058	7.223	
11	SUPRASTERNAL HGHT	1.394	1.138	0.978	0.787	0.614	0.571	0.562	0.372	
34	THUMB-TIP, EXTENDED		0.455	0.352	0.329	0.292	0.296	0.290	0.287	
87	SLEEVE INSEAM			0.667	0.539	0.664	0.647	0.617	0.599	
15	TROCHANTERIC HGHT				0.349	0.417	0.440	0.440	0.398	
51	VERTICAL TRK C, SIT					0.126	0.167	0.155	0.125	
4	SUBSCAPULAR SKINF						-1.015	-1.088	-1.011	
63	BIACROMIAL BREADTH							0.229	0.268	
10	ACROMIAL HIGHT								0.246	
MULTIPLE CORRELATIONS		0.864	0.888	0.896	0.900	0.902	0.904	0.904	0.905	
ST ERRORS OF ESTIMATE		4.311	3.940	3.799	3.739	3.699	3.673	3.660	3.647	

EQUATIONS FOR ESTIMATING NECK CIRCUMFERENCE										NO. 36
	CONSTANT	26.244	19.586	18.665	13.856	15.656	16.773	19.112	21.988	
2	WEIGHT	0.130	0.120	0.116	0.104	0.108	0.109	0.124	0.154	
111	SAGITTAL CURVATURE		0.208	0.180	0.160	0.146	0.117	0.120	0.124	
20	ANKLE HEIGHT			0.190	0.191	0.181	0.176	0.192	0.177	
115	BITRAGION BREADTH				0.480	0.635	0.590	0.557	0.551	
113	BIOCULAR BREADTH					-0.458	-0.524	-0.480	-0.517	
118	NASAL BREADTH						0.660	0.703	0.643	
29	BUTTOCK-POPLIT'L L							-0.076	-0.086	
69	THIGH-THIGH BR, SIT								-0.091	
MULTIPLE CORRELATIONS		0.582	0.609	0.627	0.641	0.652	0.664	0.672	0.678	
ST ERRORS OF ESTIMATE		1.364	1.331	1.307	1.289	1.273	1.256	1.245	1.235	

TABLE XXVIII
STEPWISE MULTIPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING SHOULDER CIRCUMFERENCE

NO. 37

	CONSTANT	17.587	12.998	20.990	19.809	15.625	24.137	22.909	20.555
64	BIDELTOID BREADTH	1.978	1.150	0.960	0.873	0.778	0.738	0.650	0.630
38	CHEST CIRC AT SCYE		0.466	0.371	0.333	0.344	0.357	0.319	0.270
2	WEIGHT			0.138	0.141	0.137	0.194	0.167	0.140
82	INTERSCYE				0.224	0.210	0.196	0.215	0.208
63	BIACROMIAL BREADTH					0.222	0.250	0.308	0.331
50	VERTICAL TRUNK CIR						-0.076	-0.072	-0.069
54	AXILLARY ARM CIRC							0.230	0.242
40	CHEST C BELOW BUST								0.101
	MULTIPLE CORRELATIONS	0.890	0.925	0.932	0.936	0.937	0.939	0.941	0.942
	ST ERRORS OF ESTIMATE	2.340	1.947	1.863	1.817	1.794	1.766	1.746	1.728

EQUATIONS FOR ESTIMATING CHEST CIRCUMFERENCE AT SCYE

NO. 38

	CONSTANT	14.891	-0.743	-1.724	-1.250	-0.995	-1.295	-2.152	-1.496
39	BUST CIRCUMFERENCE	0.773	0.447	0.414	0.480	0.455	0.450	0.449	0.469
37	SHOULDER CIRCUMFER		0.447	0.395	0.390	0.352	0.290	0.282	0.278
53	SCYE CIRCUMFERENCE			0.247	0.242	0.237	0.221	0.212	0.217
66	BUSTPT-BUSTPT BRTH				-0.308	-0.296	-0.289	-0.278	-0.269
65	CHEST BREADTH					0.206	0.180	0.164	0.152
64	BIDELTOID BREADTH						0.195	0.181	0.185
83	INTERSCYE, MAXIMUM							0.059	0.068
80	NECK-BUST POINT L								-0.105
	MULTIPLE CORRELATIONS	0.888	0.929	0.932	0.934	0.935	0.936	0.937	0.937
	ST ERRORS OF ESTIMATE	2.278	1.838	1.803	1.772	1.757	1.746	1.739	1.733

EQUATIONS FOR ESTIMATING BUST CIRCUMFERENCE

NO. 39

	CONSTANT	3.708	5.451	3.127	1.986	-0.013	-0.332	3.310	4.240
38	CHEST CIRC AT SCYE	1.021	0.599	0.565	0.477	0.456	0.420	0.421	0.430
74	CHEST DEPTH		1.430	1.158	1.042	0.932	0.962	0.955	0.923
66	BUSTPT-BUSTPT BRTH			0.627	0.619	0.587	0.570	0.580	0.576
40	CHEST C BELOW BUST				0.154	0.165	0.133	0.137	0.137
80	NECK-BUST POINT L					0.241	0.234	0.249	0.280
65	CHEST BREADTH						0.197	0.207	0.211
91	HAND LENGTH							-0.256	-0.205
79	SHOULDER LENGTH								-0.184
	MULTIPLE CORRELATIONS	0.888	0.943	0.951	0.954	0.956	0.957	0.958	0.958
	ST ERRORS OF ESTIMATE	2.617	1.897	1.759	1.713	1.677	1.662	1.646	1.637

TABLE XXVIII
STEPWISE MULTIPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING CHEST CIRCUMFERENCE BELOW BUST

NO. 40

	CONSTANT	10.620	11.053	7.435	2.121	1.355	3.916	9.467	9.646
39	BUST CIRCUMFERENCE	0.710	0.470	0.363	0.307	0.293	0.339	0.326	0.248
41	WAIST CIRCUMFERENCE		0.314	0.257	0.214	0.203	0.215	0.171	0.163
65	CHEST BREADTH			0.609	0.461	0.406	0.398	0.392	0.433
37	SHOULDER CIRCUMFERENCE				0.173	0.147	0.157	0.107	0.115
84	BACK CURVATURE					0.154	0.158	0.152	0.150
81	STRAP LENGTH						-0.123	-0.142	-0.151
2	WEIGHT							0.091	0.082
74	CHEST DEPTH								0.279
	MULTIPLE CORRELATIONS	0.832	0.859	0.874	0.878	0.882	0.884	0.887	0.888
	ST ERRORS OF ESTIMATE	2.701	2.492	2.371	2.329	2.301	2.276	2.255	2.242

EQUATIONS FOR ESTIMATING WAIST CIRCUMFERENCE

NO. 41

	CONSTANT	6.690	3.294	0.736	-4.036	-6.162	-5.313	-3.465	-3.618
67	WAIST BREADTH	2.508	1.634	1.436	1.312	1.263	1.265	1.266	1.253
75	WAIST DEPTH		1.439	1.100	1.014	1.005	0.968	0.934	0.937
42	ABDOMINAL EXT CIRC			0.153	0.124	0.087	0.086	0.077	0.072
38	CHEST CIRC AT SCYE				0.139	0.121	0.118	0.105	0.068
43	HIP C-7" BLW WAIST					0.087	0.180	0.174	0.170
68	HIP BREADTH						-0.247	-0.235	-0.237
4	SUBSCAPULAR SKINFOLD							0.556	0.586
65	CHEST BREADTH								0.156
	MULTIPLE CORRELATIONS	0.885	0.940	0.948	0.951	0.952	0.954	0.955	0.955
	ST ERRORS OF ESTIMATE	2.536	1.873	1.742	1.690	1.671	1.645	1.634	1.623

EQUATIONS FOR ESTIMATING ABDOMINAL EXTENSION CIRCUMFERENCE

NO. 42

	CONSTANT	-15.389	-4.956	-5.654	3.003	6.525	2.970	2.631	4.931
43	HIP C-7" BLW WAIST	1.079	0.622	0.496	0.562	0.546	0.516	0.512	0.497
76	ABDOMINAL EXT DPTH		1.549	1.166	1.187	1.197	1.179	1.128	1.071
41	WAIST CIRCUMFERENCE			0.305	0.305	0.317	0.335	0.335	0.294
30	BUTTOCK-KNEE LENGTH				-0.266	-0.238	-0.256	-0.237	-0.216
118	NASAL BREADTH					-1.455	-1.324	-1.395	-1.318
26	WAIST HGHT, SITTING						0.263	0.242	0.232
1	AGE							0.060	0.075
5	SUPRAILIAAC SKINFOLD								0.751
	MULTIPLE CORRELATIONS	0.828	0.875	0.883	0.887	0.889	0.891	0.892	0.894
	ST ERRORS OF ESTIMATE	4.085	3.524	3.418	3.370	3.338	3.311	3.292	3.270

TABLE XXVIII
STEPWISE MULTIPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL 43

	CONSTANT	10.559	9.445	10.055	8.329	8.919	8.599	9.620	7.129
44	HIP C-9" PLW WAIST	0.872	0.701	0.645	0.492	0.469	0.444	0.443	0.447
41	WAIST CIRCUMFERENCE		0.259	0.170	0.139	0.127	0.176	0.180	0.173
42	ABDOMINAL EXT CIRC			0.125	0.105	0.103	0.112	0.110	0.113
52	BUTTOCK CIRC, SIT				0.201	0.183	0.203	0.206	0.195
77	BUTTOCK DEPTH					0.207	0.254	0.251	0.259
75	WAIST DEPTH						-0.256	-0.261	-0.242
20	ANKLE HEIGHT							-0.105	-0.142
17	GLUTEAL FURROW HGT								0.046
	MULTIPLE CORRELATIONS	0.939	0.955	0.959	0.961	0.962	0.963	0.963	0.964
	ST ERRORS OF ESTIMATE	1.923	1.653	1.583	1.538	1.525	1.510	1.504	1.495

EQUATIONS FOR ESTIMATING HIP CIRCUMFERENCE-NINE INCHES BELOW WAIST LEVEL 44

	CONSTANT	2.375	-1.561	0.479	-1.844	-2.857	-5.787	-5.294	-4.087
52	BUTTOCK CIRC, SIT	0.929	0.640	0.478	0.301	0.333	0.301	0.292	0.292
68	HIP BREADTH		0.939	0.749	0.668	0.623	0.620	0.638	0.635
45	UPPER THIGH CIRCUM			0.375	0.284	0.288	0.293	0.267	0.265
43	HIP C-7" BLW WAIST				0.298	0.325	0.321	0.307	0.313
76	ABDOMINAL EXT DPTH					-0.161	-0.161	-0.204	-0.208
50	VERTICAL TRUNK CIR						0.041	0.038	0.046
77	BUTTOCK DEPTH							0.184	0.173
17	GLUTEAL FURROW HGT								-0.034
	MULTIPLE CORRELATIONS	0.940	0.958	0.967	0.972	0.972	0.973	0.973	0.973
	ST ERRORS OF ESTIMATE	2.053	1.723	1.527	1.425	1.411	1.399	1.389	1.384

EQUATIONS FOR ESTIMATING UPPER THIGH CIRCUMFERENCE NO. 45

	CONSTANT	-4.260	-4.096	-3.154	-2.604	4.241	2.951	3.669	5.706
44	HIP C-9" BLW WAIST	0.627	0.551	0.348	0.281	0.310	0.281	0.265	0.274
78	THIGH CLEARANCE		0.569	0.688	0.612	0.711	0.610	0.582	0.591
69	THIGH-THIGH BR, SIT			0.443	0.415	0.382	0.339	0.343	0.350
77	BUTTOCK DEPTH				0.371	0.342	0.311	0.273	0.246
35	OVERHEAD REACH					-0.045	-0.050	-0.045	-0.034
46	KNEE CIRCUMFERENCE						0.237	0.238	0.242
5	SUPRATILIAO SKINFOLD							0.392	0.378
24	EYE HEIGHT, SITTING								-0.068
	MULTIPLE CORRELATIONS	0.994	0.993	0.913	0.918	0.921	0.924	0.926	0.927
	ST ERRORS OF ESTIMATE	1.894	1.812	1.722	1.679	1.643	1.613	1.599	1.590

TABLE XXVIII
STEPWISE MULTIPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING KNEE CIRCUMFERENCE

NO. 46

	CONSTANT	22.041	13.422	9.474	6.538	12.660	11.258	11.906	10.689
2	WEIGHT	0.247	0.155	0.139	0.088	0.142	0.125	0.127	0.121
47	CALF CIRCUM, RIGHT		0.408	0.390	0.347	0.323	0.291	0.268	0.206
72	FEMORAL BREADTH, R			0.675	0.727	0.693	0.660	0.664	0.623
45	UPPER THIGH CIRCUM				0.125	0.123	0.127	0.113	0.121
37	SHOULDER CIRCUMFER					-0.080	-0.098	-0.093	-0.086
60	FOREARM C, RELAXED						0.227	0.214	0.187
6	MEDIAL CALF SKINED							0.357	0.357
49	ANKLE CIRCUMFERNCE								0.166
	MULTIPLE CORRELATIONS	0.819	0.852	0.870	0.878	0.884	0.887	0.890	0.892
	ST ERRORS OF ESTIMATE	1.299	1.150	1.120	1.084	1.061	1.047	1.035	1.026

EQUATIONS FOR ESTIMATING CALF CIRCUMFERENCE, RIGHT

NO. 47

	CONSTANT	5.611	0.464	0.040	0.228	1.279	3.344	5.259	14.596
46	KNEE CIRCUMFERENCE	0.786	0.527	0.330	0.295	0.309	0.277	0.261	0.261
49	ANKLE CIRCUMFERNCE		0.690	0.702	0.705	0.710	0.686	0.655	0.644
45	UPPER THIGH CIRCUM			0.132	0.093	0.088	0.063	0.073	0.042
57	BICEPS C, RELAXED, L				0.124	0.124	0.084	0.117	0.029
20	ANKLE HEIGHT					-0.124	-0.145	-0.149	-0.115
2	WEIGHT						0.039	0.066	0.140
42	ABDOMINAL EXT CIRC							-0.042	-0.056
11	SUPRASTERNAL HT								-0.065
	MULTIPLE CORRELATIONS	0.792	0.846	0.861	0.865	0.868	0.869	0.873	0.878
	ST ERRORS OF ESTIMATE	1.372	1.197	1.145	1.130	1.118	1.112	1.098	1.078

EQUATIONS FOR ESTIMATING CALF CIRCUMFERENCE, LEFT

NO. 48

	CONSTANT	5.771	0.565	0.060	0.304	1.495	3.974	8.917	20.850
46	KNEE CIRCUMFERENCE	0.784	0.522	0.315	0.278	0.294	0.255	0.217	0.206
49	ANKLE CIRCUMFERNCE		0.698	0.710	0.713	0.719	0.689	0.651	0.635
45	UPPER THIGH CIRCUM			0.140	0.099	0.093	0.063	0.053	0.014
57	BICEPS C, RELAXED, L				0.129	0.129	0.080	0.122	0.023
20	ANKLE HEIGHT					-0.140	-0.165	-0.169	-0.127
2	WEIGHT						0.048	0.096	0.187
39	BUST CIRCUMFERENCE							-0.067	-0.093
9	CERVICAL HEIGHT								-0.071
	MULTIPLE CORRELATIONS	0.778	0.833	0.848	0.853	0.857	0.859	0.864	0.870
	ST ERRORS OF ESTIMATE	1.433	1.263	1.209	1.193	1.178	1.169	1.151	1.127

TABLE XXVIII
STEPWISE MULTIPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING ANKLE CIRCUMFERENCE

NO. 49

	CONSTANT	5.472	1.792	1.578	1.454	0.241	0.171	0.744	0.320
47	CALF CIRCUM, RIGHT	0.428	0.342	0.381	0.332	0.334	0.333	0.333	0.329
62	WRIST CIRCUMFERENCE		0.589	0.589	0.548	0.538	0.533	0.536	0.478
54	AXILLARY ARM CIRC			-0.088	-0.105	-0.103	-0.072	-0.078	-0.067
46	KNEE CIRCUMFERENCE				0.082	0.071	0.086	0.087	0.080
25	MIDSHOULDER HT, SIT					0.036	0.037	0.047	0.039
76	ABDOMINAL EXT DPTH						-0.061	-0.055	-0.057
31	ACROMION-RADIAL L							-0.053	-0.083
94	FOOT LENGTH								0.117
	MULTIPLE CORRELATIONS	0.746	0.783	0.793	0.797	0.800	0.803	0.805	0.808
	ST ERRORS OF ESTIMATE	0.859	0.852	0.786	0.779	0.775	0.770	0.766	0.761

EQUATIONS FOR ESTIMATING VERTICAL TRUNK CIRCUMFERENCE

NO. 50

	CONSTANT	8.262	22.296	28.213	25.505	25.321	18.187	17.038	20.314
51	VERTICAL TRK C, SIT	0.974	0.802	0.821	0.791	0.732	0.714	0.704	0.708
2	WEIGHT		0.204	0.223	0.214	0.229	0.142	0.131	0.157
16	BUTTOCK HEIGHT			-0.120	-0.124	-0.273	-0.297	-0.278	-0.275
86	ANTERIOR WAIST LTH				0.240	0.212	0.239	0.258	0.259
10	ACROMIAL HEIGHT					0.162	0.217	0.214	0.204
77	BUTTOCK DEPTH						0.416	0.429	0.422
1	AGE							0.046	0.047
84	BACK CURVATURE								-0.100
	MULTIPLE CORRELATIONS	0.930	0.942	0.944	0.946	0.947	0.949	0.950	0.950
	ST ERRORS OF ESTIMATE	2.529	2.398	2.267	2.233	2.209	2.173	2.156	2.143

EQUATIONS FOR ESTIMATING VERTICAL TRUNK CIRCUMFERENCE, SITTING

NO. 51

	CONSTANT	13.090	4.209	2.284	-2.636	-2.857	-3.058	-4.523	-4.948
50	VERTICAL TRUNK CIR	0.887	0.691	0.620	0.604	0.583	0.579	0.585	0.581
25	MIDSHOULDER HT, SIT		0.675	0.758	0.648	0.659	0.555	0.530	0.525
39	BUST CIRCUMFERENCE			0.090	0.093	0.082	0.088	0.096	0.098
9	CERVICAL HEIGHT				0.097	0.095	0.122	0.139	0.093
68	HIP BREADTH					0.117	0.116	0.149	0.149
27	ELBOW REST HEIGHT						0.114	0.119	0.137
78	THIGH CLEARANCE							-0.191	-0.192
35	OVERHEAD REACH								0.036
	MULTIPLE CORRELATIONS	0.930	0.947	0.949	0.951	0.951	0.951	0.952	0.952
	ST ERRORS OF ESTIMATE	2.414	2.104	2.071	2.037	2.028	2.021	2.013	2.008

TABLE XXVIII
STEPWISE MULTIPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING BUTTOCK CIRCUMFERENCE, SITTING

NO. 52

	CONSTANT	9.393	22.216	15.562	16.779	14.703	8.757	10.097	12.668
44	HIP C-9" BLW WAIST	0.951	0.654	0.447	0.301	0.344	0.330	0.361	0.353
2	WEIGHT		0.268	0.201	0.208	0.155	0.117	0.137	0.152
43	HIP C-7" BLW WAIST			0.323	0.307	0.255	0.265	0.273	0.273
69	THIGH-THIGH BR,SIT				0.361	0.358	0.361	0.395	0.394
75	WAIST DEPTH					0.354	0.368	0.354	0.316
50	VERTICAL TRUNK CIR						0.053	0.043	0.062
45	UPPER THIGH CIRCUM							-0.103	-0.118
85	WAIST BACK								-0.101
MULTIPLE CORRELATIONS		0.940	0.953	0.957	0.960	0.962	0.963	0.964	0.964
ST ERRORS OF ESTIMATE		2.078	1.854	1.763	1.700	1.655	1.640	1.631	1.621

EQUATIONS FOR ESTIMATING SCYE CIRCUMFERENCE

NO. 53

	CONSTANT	15.394	1.970	-0.644	-1.376	-1.410	-0.454	-0.207	-0.041
54	AXILLARY ARM CIRC	0.791	0.742	0.700	0.606	0.611	0.620	0.610	0.606
10	ACROMIAL HEIGHT		0.112	0.095	0.084	0.049	0.161	0.156	0.151
93	HAND CIRCUMFERENCE			0.328	0.308	0.298	0.312	0.308	0.294
40	CHEST C BELOW BUST				0.069	0.065	0.060	0.057	0.057
31	ACROMION-RADIALE L					0.161	0.169	0.228	0.233
11	SUPRASTERNAL HGT						-0.122	-0.100	-0.102
87	SLEEVE INSEAM							-0.085	-0.133
32	RADIALE-STYLION L								0.132
MULTIPLE CORRELATIONS		0.808	0.850	0.858	0.863	0.866	0.869	0.871	0.872
ST ERRORS OF ESTIMATE		1.348	1.206	1.178	1.157	1.144	1.133	1.126	1.121

EQUATIONS FOR ESTIMATING AXILLARY ARM CIRCUMFERENCE

NO. 54

	CONSTANT	4.158	-1.967	0.159	-2.680	-0.086	0.649	0.278	0.286
55	BICEPS C, RELAXED, R	0.909	0.660	0.572	0.505	0.480	0.460	0.449	0.458
53	SCYE CIRCUMFERENCE		0.337	0.313	0.256	0.301	0.302	0.280	0.285
4	SUBSCAPULAR SKINFOLD			0.792	0.703	0.623	0.417	0.362	0.385
64	BIDELTOID BREADTH				0.162	0.185	0.174	0.129	0.137
10	ACROMIAL HEIGHT					-0.034	-0.035	-0.037	-0.034
5	SUPRATILAC SKINFOLD						0.303	0.293	0.308
38	CHEST CIRC AT SCYE							0.044	0.064
40	CHEST C BELOW BUST								-0.039
MULTIPLE CORRELATIONS		0.891	0.918	0.927	0.932	0.935	0.937	0.938	0.939
ST ERRORS OF ESTIMATE		1.064	0.928	0.880	0.848	0.833	0.819	0.812	0.806

TABLE XXVIII
STEPWISE MULTIPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING BICEPS CIRCUMFERENCE, RELAXED, RIGHT									NO. 55
	CONSTANT	-0.138	-0.878	-0.843	-0.141	0.996	0.614	0.304	0.071
56	BICEPS C, FLEXED, R	0.961	0.791	0.654	0.636	0.634	0.633	0.612	0.615
54	AXILLARY ARM CIRC		0.193	0.153	0.149	0.150	0.145	0.141	0.141
58	BICEPS C, FLEXED, L			0.168	0.156	0.158	0.145	0.143	0.142
3	TRICEPS SKINFOLD				0.254	0.245	0.218	0.224	0.205
87	SLEEVE INSFAM					-0.026	-0.028	-0.033	-0.030
69	THIGH-THIGH BR, SIT						0.027	0.027	0.027
60	FOREARM C, RELAXED							0.053	0.068
125	GRIP STRENGTH								-0.009
MULTIPLE CORRELATIONS		0.970	0.975	0.976	0.977	0.977	0.978	0.978	0.978
ST ERRORS OF ESTIMATE		0.560	0.513	0.498	0.489	0.485	0.482	0.481	0.479

EQUATIONS FOR ESTIMATING BICEPS CIRCUMFERENCE, FLEXED, RIGHT									NO. 56
	CONSTANT	1.720	-0.416	-0.279	-0.166	-0.928	-0.503	-0.012	0.056
55	BICEPS C, RELAXED, R	0.979	0.883	0.711	0.712	0.714	0.711	0.716	0.719
61	FOREARM C, FLEXED		0.184	0.172	0.149	0.131	0.134	0.139	0.099
57	BICEPS C, RELAXED, L			0.178	0.181	0.187	0.189	0.196	0.199
125	GRIP STRENGTH				0.012	0.010	0.011	0.011	0.011
91	HAND LENGTH					0.058	0.072	0.085	0.077
79	SHOULDER LENGTH						-0.052	-0.047	-0.047
50	VERTICAL TRUNK CIRC							-0.008	-0.009
59	ELBOW CIRC, FLEXED								0.040
MULTIPLE CORRELATIONS		0.970	0.973	0.974	0.975	0.975	0.975	0.975	0.975
ST ERRORS OF ESTIMATE		0.565	0.539	0.523	0.519	0.517	0.515	0.513	0.511

EQUATIONS FOR ESTIMATING BICEPS CIRCUMFERENCE, RELAXED, LEFT									NO. 57
	CONSTANT	-0.504	-0.951	0.217	-0.304	0.084	-0.442	0.462	0.488
58	BICEPS C, FLEXED, L	0.986	0.809	0.818	0.787	0.776	0.773	0.764	0.750
56	BICEPS C, FLEXED, R		0.192	0.217	0.198	0.178	0.149	0.156	0.139
59	ELBOW CIRC, FLEXED			-0.077	-0.075	-0.067	-0.084	-0.073	-0.071
42	ABDOMINAL EXT CIRC				0.021	0.019	0.018	0.018	0.014
3	TRICEPS SKINFOLD					0.208	0.209	0.169	0.151
60	FOREARM C, RELAXED						0.082	0.126	0.117
93	HAND CIRCUMFERENCE							-0.115	-0.120
54	AXILLARY ARM CIRC								0.052
MULTIPLE CORRELATIONS		0.975	0.977	0.978	0.979	0.980	0.980	0.981	0.981
ST ERRORS OF ESTIMATE		0.533	0.514	0.501	0.490	0.484	0.480	0.473	0.470

TABLE XXVIII
STEPWISE MULTIPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING BICEPS CIRCUMFERENCE, FLEXED, LEFT									NO. 58
CONSTANT	1.800	-0.001	-0.110	-0.804	-0.788	-0.329	0.097	0.297	
57 BICEPS C, RELAXED, L	0.964	0.928	0.814	0.821	0.816	0.819	0.820	0.820	
59 ELBOW CIRC, FLEXED		0.101	0.091	0.078	0.079	0.085	0.085	0.083	
55 BICEPS C, RELAXED, R			0.129	0.117	0.117	0.113	0.113	0.113	
93 HAND CIRCUMFERENCE				0.064	0.061	0.073	0.075	0.063	
1 AGE					0.006	0.006	0.007	0.007	
33 THUMB-TIP REACH						-0.011	-0.010	-0.011	
114 BIAURICULAR BRDTH							-0.037	-0.039	
125 GRIP STRENGTH								0.006	
MULTIPLE CORRELATIONS	0.975	0.977	0.978	0.978	0.978	0.979	0.979	0.979	
ST ERRORS OF ESTIMATE	0.527	0.504	0.496	0.494	0.492	0.491	0.490	0.489	

EQUATIONS FOR ESTIMATING ELBOW CIRCUMFERENCE, FLEXED									NO. 59
CONSTANT	4.898	-0.555	0.571	1.263	0.163	-0.213	-0.701	-1.394	
61 FOREARM C, FLEXED	0.884	0.821	1.329	1.365	1.355	1.349	1.349	1.344	
15 TROCHANTERIC HGHT		0.085	0.090	0.094	0.084	0.063	0.062	0.042	
60 FOREARM C, RELAXED			-0.606	-0.509	-0.558	-0.555	-0.568	-0.564	
47 GALE CIRCUM, RIGHT				-0.123	-0.124	-0.121	-0.122	-0.125	
71 HUMERAL BREADTH, L					0.551	0.510	0.520	0.484	
32 RADIALE-STYLION L						0.100	0.094	0.074	
123 EAR LENGTH							0.189	0.185	
35 OVERHEAD REACH								0.016	
MULTIPLE CORRELATIONS	0.754	0.779	0.798	0.806	0.809	0.811	0.812	0.813	
ST ERRORS OF ESTIMATE	1.171	1.118	1.075	1.057	1.049	1.045	1.042	1.040	

EQUATIONS FOR ESTIMATING FOREARM CIRCUMFERENCE, RELAXED									NO. 60
CONSTANT	2.397	2.961	1.054	1.344	0.646	-0.123	-0.383	-0.496	
61 FOREARM C, FLEXED	0.844	0.683	0.586	0.673	0.557	0.658	0.653	0.644	
55 BICEPS C, RELAXED, R		0.135	0.143	0.128	0.131	0.134	0.128	0.118	
62 WRIST CIRCUMFERENCE			0.275	0.290	0.220	0.195	0.186	0.175	
59 ELBOW CIRC, FLEXED				-0.085	-0.092	-0.099	-0.099	-0.096	
70 HUMERAL BREADTH, R					0.358	0.322	0.324	0.312	
90 SPINE-TO-WRIST LTH						0.019	0.015	0.013	
36 NECK CIRCUMFERENCE							0.029	0.028	
46 KNEE CIRCUMFERENCE								0.026	
MULTIPLE CORRELATIONS	0.930	0.940	0.946	0.948	0.951	0.951	0.952	0.952	
ST ERRORS OF ESTIMATE	0.506	0.470	0.448	0.437	0.429	0.426	0.424	0.422	

TABLE XXVIII
STEPWISE MULTIPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING FOREARM CIRCUMFERENCE, FLEXED

NO. 61

	CONSTANT	0.912	-0.798	-0.343	-0.692	0.106	-0.516	-0.323	-0.564
60	FOREARM C, RELAXED	1.025	0.837	0.740	0.705	0.716	0.711	0.710	0.695
59	ELBOW CIRC, FLEXED		0.227	0.224	0.227	0.243	0.242	0.243	0.240
56	BICEPS C, FLEXED, R			0.071	0.062	0.050	0.051	0.054	0.056
47	CALF CIRCUM, RIGHT				0.039	0.046	0.046	0.045	0.045
15	TROCHANTERIC HGHT					-0.017	-0.018	-0.017	-0.018
113	BIOCULAR BREADTH						0.085	0.093	0.084
123	EAR LENGTH							-0.077	-0.080
93	HAND CIRCUMFERENCE								0.044
	MULTIPLE CORRELATIONS	0.930	0.952	0.954	0.955	0.956	0.956	0.956	0.957
	ST ERRORS OF ESTIMATE	0.558	0.465	0.456	0.451	0.447	0.445	0.444	0.443

EQUATIONS FOR ESTIMATING WRIST CIRCUMFERENCE

NO. 62

	CONSTANT	4.814	3.042	2.350	1.339	1.002	0.254	0.417	0.309
93	HAND CIRCUMFERENCE	0.554	0.356	0.327	0.272	0.253	0.255	0.246	0.245
60	FOREARM C, RELAXED		0.230	0.177	0.176	0.155	0.158	0.180	0.159
49	ANKLE CIRCUMFERENCE			0.117	0.111	0.104	0.095	0.100	0.107
91	HAND LENGTH				0.118	0.096	0.082	0.077	0.074
70	HUMERAL BREADTH, R					0.282	0.231	0.221	0.216
24	EYE HEIGHT, SITTING						0.019	0.022	0.023
69	THIGH-THIGH BR, SIT							-0.018	-0.027
74	CHEST DEPTH								0.035
	MULTIPLE CORRELATIONS	0.706	0.796	0.814	0.826	0.830	0.833	0.835	0.838
	ST ERRORS OF ESTIMATE	0.504	0.431	0.414	0.402	0.397	0.394	0.392	0.389

EQUATIONS FOR ESTIMATING BIACROMIAL BREADTH

NO. 63

	CONSTANT	21.300	10.918	6.057	4.836	5.270	4.080	3.613	3.444
79	SHOULDER LENGTH	0.992	0.769	0.642	0.616	0.596	0.607	0.593	0.581
64	BIDELTOID BREADTH		0.326	0.268	0.335	0.372	0.349	0.268	0.292
90	SPINE-TO-WRIST LTH			0.115	0.109	0.116	0.107	0.100	0.091
5	SUPRAILIAC SKINFOLD				-0.368	-0.273	-0.272	-0.289	-0.245
74	CHEST DEPTH					-0.103	-0.117	-0.148	-0.125
36	NECK CIRCUMFERENCE						0.090	0.086	0.095
37	SHOULDER CIRCUMFER							0.055	0.071
55	BICEPS C, RELAXED, R								-0.097
	MULTIPLE CORRELATIONS	0.618	0.758	0.782	0.793	0.798	0.801	0.804	0.808
	ST ERRORS OF ESTIMATE	1.289	1.070	1.022	0.999	0.990	0.982	0.976	0.968

TABLE XXVIII
STEPWISE MULTIPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING BIELTOID BREADTH

NO. 64

	CONSTANT	1.608	3.387	-0.348	-0.231	-0.500	-0.537	-0.316	0.491
37	SHOULDER CIRCUMFER	0.491	0.330	0.264	0.225	0.210	0.195	0.188	0.190
54	AXILLARY ARM CIRC		0.195	0.250	0.245	0.201	0.209	0.157	0.157
63	BIACROMIAL BREADTH			0.247	0.242	0.252	0.250	0.257	0.260
65	CHEST BREADTH				0.147	0.144	0.129	0.124	0.133
77	BUTTOCK DEPTH					0.128	0.126	0.107	0.109
82	INTERSCYE						0.053	0.055	0.054
57	RICEPS C, RELAXED, L							0.083	0.087
72	FEMORAL BREADTH, R								-0.182
	MULTIPLE CORRELATIONS	0.890	0.898	0.909	0.912	0.915	0.916	0.916	0.917
	ST ERRORS OF ESTIMATE	1.053	1.018	0.965	0.950	0.937	0.932	0.928	0.925

EQUATIONS FOR ESTIMATING CHEST BREADTH

NO. 65

	CONSTANT	-0.723	-0.578	-0.411	-0.872	-1.081	-1.261	0.622	-0.316
37	SHOULDER CIRCUMFER	0.286	0.175	0.119	0.095	0.054	0.046	0.052	0.045
40	CHEST C BELOW BUST		0.148	0.116	0.117	0.115	0.103	0.105	0.105
38	CHEST CIRC AT SCYE			0.093	0.085	0.074	0.071	0.070	0.068
82	INTERSCYE				0.099	0.093	0.078	0.079	0.088
64	BIELTOID BREADTH					0.134	0.137	0.139	0.136
84	BACK CURVATURE						0.060	0.060	0.061
33	THUMB-TIP REACH							-0.036	-0.069
34	THUMB-TIP, EXTENDED								0.048
	MULTIPLE CORRELATIONS	0.769	0.801	0.808	0.813	0.817	0.819	0.822	0.828
	ST ERRORS OF ESTIMATE	1.225	1.146	1.129	1.115	1.106	1.099	1.091	1.076

EQUATIONS FOR ESTIMATING BUSTPOINT-TO-BUSTPOINT BREADTH

NO. 66

	CONSTANT	1.035	2.269	2.803	4.352	6.617	5.180	5.882	5.805
39	BUST CIRCUMFERENCE	0.195	0.262	0.273	0.258	0.252	0.255	0.261	0.233
38	CHEST CIRC AT SCYE		-0.086	-0.071	-0.089	-0.090	-0.090	-0.092	-0.085
84	BACK CURVATURE			-0.066	-0.076	-0.075	-0.077	-0.074	-0.074
2	WEIGHT				0.030	0.041	0.034	0.047	0.044
25	MIDSHOULDER HT, SIT					-0.040	-0.051	-0.058	-0.055
31	ACROMION-RADIAL L						0.074	0.066	0.064
76	ABDOMINAL EXT DPTH							-0.062	-0.072
74	CHEST DEPTH								0.096
	MULTIPLE CORRELATIONS	0.720	0.731	0.738	0.742	0.745	0.748	0.749	0.751
	ST ERRORS OF ESTIMATE	1.075	1.057	1.046	1.038	1.034	1.029	1.027	1.024

TABLE XXVIII
STEPWISE MULTIPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING WAIST BREADTH

NO. 67

	CONSTANT	3.093	-1.184	-0.794	-1.541	-1.405	-1.633	-1.065	-0.875
41	WAIST CIRCUMFERENCE	0.313	0.304	0.349	0.335	0.332	0.331	0.333	0.333
8	STATURE, MAXIMUM		0.030	0.027	0.025	0.032	0.018	-0.031	-0.034
75	WAIST DEPTH			-0.172	-0.180	-0.164	-0.165	-0.175	-0.158
84	BACK CURVATURE				0.051	0.054	0.052	0.052	0.052
26	WAIST HGHT, SITTING					-0.063	-0.090	-0.112	-0.108
25	MIDSHOULDER HT, SIT						0.057	0.087	0.092
13	WAIST HEIGHT							0.062	0.062
1	AGE								-0.016
MULTIPLE CORRELATIONS		0.886	0.891	0.894	0.897	0.898	0.899	0.901	0.902
ST ERRORS OF ESTIMATE		0.896	0.880	0.867	0.858	0.853	0.847	0.842	0.837

EQUATIONS FOR ESTIMATING HIP BREADTH

NO. 68

	CONSTANT	3.624	4.341	4.015	1.820	2.540	3.689	3.123	2.633
44	HIP C-9" BLW WAIST	0.329	0.192	0.236	0.222	0.233	0.235	0.229	0.225
69	THIGH-THIGH BR, SIT		0.323	0.332	0.354	0.352	0.349	0.353	0.354
77	BUTTOCK DEPTH			-0.199	-0.195	-0.169	-0.172	-0.168	-0.175
87	SLEEVE INSEAM				0.059	0.057	0.060	0.053	0.052
39	BUST CIRCUMFERENCE					-0.024	-0.023	-0.026	-0.034
113	BIOCULAR BREADTH						-0.143	-0.162	-0.162
70	HUMERAL BREADTH, R							0.271	0.248
64	BIDELTOID BREADTH								0.045
MULTIPLE CORRELATIONS		0.893	0.913	0.918	0.920	0.921	0.921	0.922	0.922
ST ERRORS OF ESTIMATE		0.998	0.905	0.881	0.870	0.865	0.863	0.860	0.858

EQUATIONS FOR ESTIMATING THIGH-TO-THIGH BREADTH, SITTING

NO. 69

	CONSTANT	-2.111	-4.169	1.480	0.576	0.732	-0.784	0.887	0.847
44	HIP C-9" BLW WAIST	0.423	0.242	0.252	0.110	0.030	0.038	0.046	0.040
68	HIP BREADTH		0.552	0.563	0.554	0.558	0.539	0.527	0.522
14	ABDOMINAL EXT HGT			-0.075	-0.082	-0.076	-0.053	-0.046	-0.047
52	BUTTOCK CIRC, SIT				0.154	0.144	0.147	0.155	0.147
45	UPPER THIGH CIRCUM					0.140	0.187	0.182	0.159
78	THIGH CLEARANCE						-0.292	-0.262	-0.287
62	WRIST CIRCUMFERENCE							-0.238	-0.323
46	KNEE CIRCUMFERENCE								0.125
MULTIPLE CORRELATIONS		0.890	0.910	0.917	0.924	0.929	0.933	0.934	0.935
ST ERRORS OF ESTIMATE		1.305	1.183	1.140	1.094	1.063	1.033	1.024	1.013

TABLE XXVIII
STEPWISE MULTIPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING HUMERAL BREADTH, RIGHT									NO. 70
	CONSTANT	2.139	0.967	0.744	0.468	0.307	0.128	0.113	0.116
62	WRIST CIRCUMFERENCE	0.267	0.213	0.129	0.110	0.104	0.079	0.077	0.076
11	SUPRASTERNAL HGT		0.015	0.015	0.013	0.012	0.011	0.010	0.015
60	FOREARM C, RELAXED			0.063	0.052	0.072	0.068	0.069	0.068
73	FEMORAL BREADTH, L				0.133	0.138	0.135	0.130	0.130
4	SUBSCAPULAR SKINF					-0.099	-0.085	-0.086	-0.082
92	HAND BREADTH						0.104	0.103	0.104
21	LAT'L MALLEOLUS HT							0.030	0.033
16	BUTTOCK HEIGHT								-0.008
	MULTIPLE CORRELATIONS	0.618	0.662	0.692	0.710	0.723	0.730	0.732	0.734
	ST ERRORS OF ESTIMATE	0.241	0.230	0.222	0.216	0.212	0.210	0.209	0.209

EQUATIONS FOR ESTIMATING HUMERAL BREADTH, LEFT									NO. 71
	CONSTANT	2.181	0.877	0.795	0.450	0.312	0.127	0.156	0.247
62	WRIST CIRCUMFERENCE	0.262	0.208	0.125	0.109	0.103	0.080	0.076	0.079
11	SUPRASTERNAL HGT		0.016	0.015	0.014	0.013	0.012	0.011	0.011
60	FOREARM C, RELAXED			0.062	0.053	0.072	0.069	0.061	0.048
73	FEMORAL BREADTH, L				0.114	0.119	0.117	0.117	0.114
4	SUBSCAPULAR SKINF					-0.099	-0.087	-0.087	-0.101
92	HAND BREADTH						0.097	0.097	0.097
59	ELBOW CIRC, FLEXED							0.013	0.011
58	BICEPS C, FLEXED, L								0.010
	MULTIPLE CORRELATIONS	0.618	0.664	0.693	0.708	0.721	0.728	0.730	0.731
	ST ERRORS OF ESTIMATE	0.237	0.225	0.217	0.213	0.209	0.207	0.206	0.206

EQUATIONS FOR ESTIMATING FEMORAL BREADTH, RIGHT									NO. 72
	CONSTANT	4.341	2.622	1.932	2.000	2.239	2.072	2.303	2.145
46	KNEE CIRCUMFERENCE	0.104	0.076	0.070	0.088	0.076	0.075	0.077	0.077
70	HUMERAL BREADTH, R		0.446	0.418	0.416	0.378	0.354	0.367	0.354
117	BIGONIAL BREADTH			0.106	0.107	0.098	0.087	0.093	0.088
77	BUTTOCK DEPTH				-0.034	-0.047	-0.056	-0.046	-0.043
78	THIGH CLEARANCE					0.064	0.058	0.059	0.057
65	CHEST BREADTH						0.026	0.041	0.037
64	BIDELTOID BREADTH							-0.026	-0.030
88	SPINE-TO-SCYE LGTH								0.026
	MULTIPLE CORRELATIONS	0.524	0.588	0.601	0.609	0.623	0.629	0.634	0.637
	ST ERRORS OF ESTIMATE	0.384	0.365	0.361	0.358	0.353	0.351	0.350	0.348

TABLE XXVIII
STEPWISE MULTIPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING FEMORAL BREADTH, LEFT

NO. 73

	CONSTANT	4.292	2.597	1.837	2.001	2.111	1.933	2.165	2.017
46	KNEE CIRCUMFERENCE	0.106	0.077	0.071	0.058	0.075	0.074	0.076	0.074
70	HUMERAL BREADTH, R		0.448	0.418	0.395	0.384	0.360	0.371	0.348
117	BIGONIAL BREADTH			0.114	0.108	0.106	0.096	0.101	0.100
78	THIGH CLEARANCE				0.041	0.056	0.050	0.050	0.047
77	BUTTOCK DEPTH					-0.039	-0.048	-0.039	-0.036
65	CHEST BREADTH						0.026	0.040	0.040
64	BIDELTOID BREADTH							-0.024	-0.024
21	LAT'L MALLFOLUS HT								0.051
MULTIPLE CORRELATIONS		0.547	0.613	0.628	0.634	0.644	0.650	0.654	0.658
ST ERRORS OF ESTIMATE		0.367	0.346	0.341	0.339	0.335	0.333	0.332	0.331

EQUATIONS FOR ESTIMATING CHEST DEPTH

NO. 74

	CONSTANT	-3.095	-2.596	-1.738	-2.423	-0.559	-0.896	-1.035	0.506
39	BUST CIRCUMFERENCE	0.298	0.261	0.291	0.272	0.272	0.250	0.228	0.225
76	ABDOMINAL EXT DPTH		0.135	0.150	0.144	0.142	0.121	0.122	0.089
65	CHEST BREADTH			-0.138	-0.131	-0.103	-0.135	-0.133	-0.139
80	NECK-BUST POINT L				0.091	0.097	0.107	0.104	0.095
63	BIACROMIAL BREADTH					-0.077	-0.084	-0.083	-0.104
40	CHEST C BELOW BUST						0.049	0.053	0.044
66	BUSTPT-BUSTPT BRTH							0.096	0.088
2	WEIGHT								0.024
MULTIPLE CORRELATIONS		0.880	0.885	0.890	0.893	0.895	0.897	0.898	0.899
ST ERRORS OF ESTIMATE		0.919	0.899	0.881	0.871	0.864	0.856	0.851	0.847

EQUATIONS FOR ESTIMATING WAIST DEPTH

NO. 75

	CONSTANT	2.809	-0.183	1.493	1.682	1.369	1.141	2.162	1.315
76	ABDOMINAL EXT DPTH	0.680	0.405	0.448	0.436	0.418	0.421	0.416	0.416
41	WAIST CIRCUMFERENCE		0.130	0.153	0.186	0.189	0.184	0.183	0.182
43	HIP C-7" BLW WAIST			-0.044	-0.041	-0.077	-0.069	-0.069	-0.069
67	WAIST BREADTH				-0.101	-0.111	-0.110	-0.105	-0.108
52	BUTTOCK CIRC, SIT					0.041	0.057	0.063	0.061
69	THIGH-THIGH BR, SIT						-0.049	-0.055	-0.053
34	THUMB-TIP, EXTENDED							-0.016	-0.016
117	BIGONIAL BREADTH								0.109
MULTIPLE CORRELATIONS		0.861	0.897	0.900	0.902	0.903	0.904	0.905	0.906
ST ERRORS OF ESTIMATE		0.949	0.741	0.728	0.723	0.718	0.715	0.711	0.709

TABLE XXVIII
STEPWISE MULTIPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING ABDOMINAL EXTENSION DEPTH										NO. 76
	CONSTANT	2.311	-1.210	-2.564	-2.432	-1.524	3.050	4.290	4.345	
75	WAIST DEPTH	1.092	0.710	0.607	0.603	0.578	0.554	0.543	0.531	
42	ABDOMINAL EXT GIRC		0.117	0.088	0.090	0.079	0.074	0.072	0.069	
77	BUTTOCK DEPTH			0.269	0.280	0.227	0.192	0.192	0.196	
125	GRIP STRENGTH				-0.019	-0.026	-0.026	-0.026	-0.027	
2	WEIGHT					0.031	0.055	0.069	0.068	
22	SITTING HT, RELAXED						-0.052	-0.051	-0.053	
49	ANKLE CIRCUMFERENCE							-0.079	-0.069	
1	AGE								0.011	
MULTIPLE CORRELATIONS		0.861	0.902	0.915	0.916	0.917	0.920	0.923	0.921	
ST ERRORS OF ESTIMATE		1.076	0.916	0.858	0.852	0.845	0.834	0.830	0.828	

EQUATIONS FOR ESTIMATING BUTTOCK DEPTH										NO. 77
	CONSTANT	-3.473	-1.592	-0.854	1.565	-0.277	0.597	0.970	4.528	
43	HIP C-7" BLW WAIST	0.263	0.180	0.094	0.100	0.085	0.079	0.106	0.087	
76	ABDOMINAL EXT DPTH		0.282	0.271	0.273	0.268	0.246	0.230	0.194	
45	UPPER THIGH CIRCUM			0.136	0.138	0.136	0.121	0.136	0.118	
116	BIZYGOMATIC BRDTH				-0.243	-0.264	-0.245	-0.259	-0.305	
30	BUTTOCK-KNEE LGTH					0.065	0.193	0.206	0.187	
17	GLUTEAL FURROW HGT						-0.091	-0.096	-0.104	
68	HIP BREADTH							-0.103	-0.110	
2	WEIGHT								0.043	
MULTIPLE CORRELATIONS		0.820	0.847	0.862	0.865	0.868	0.877	0.879	0.882	
ST ERRORS OF ESTIMATE		1.024	0.953	0.909	0.899	0.888	0.861	0.853	0.847	

EQUATIONS FOR ESTIMATING THIGH CLEARANCE										NO. 78
	CONSTANT	5.566	6.016	3.533	1.465	2.708	-0.988	1.104	2.344	
2	WEIGHT	0.119	0.125	0.114	0.081	0.094	0.068	0.094	0.101	
1	AGE		-0.034	-0.035	-0.033	-0.025	-0.021	-0.020	-0.018	
72	FEMORAL BREADTH, R			0.387	0.406	0.389	0.360	0.332	0.313	
45	UPPER THIGH CIRCUM				0.068	0.131	0.149	0.146	0.143	
69	THIGH-THIGH BR, SIT					-0.145	-0.125	-0.132	-0.137	
19	CROTCH HEIGHT						0.048	0.039	0.058	
41	WAIST CIRCUMFERENCE							-0.034	-0.034	
33	THUMB-TIP REACH								-0.035	
MULTIPLE CORRELATIONS		0.714	0.734	0.744	0.754	0.773	0.783	0.787	0.791	
ST ERRORS OF ESTIMATE		0.877	0.851	0.837	0.823	0.796	0.780	0.774	0.768	

TABLE XXVIII
STEPWISE MULTIPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING SHOULDER LENGTH

NO. 79

	CONSTANT	0.861	-0.689	-1.814	-0.315	0.154	0.861	-0.430	-0.577
63	BIACROMIAL BREADTH	0.385	0.347	0.324	0.367	0.387	0.392	0.361	0.348
87	SLEEVE INSEAM		0.056	0.068	0.061	0.057	0.090	0.053	0.042
80	NECK-BUST POINT L			0.073	0.324	0.335	0.331	0.316	0.377
81	STRAP LENGTH				-0.140	-0.113	-0.107	-0.117	-0.098
39	BUST CIRCUMFERENCE					-0.034	-0.031	-0.020	-0.031
10	ACROMIAL HEIGHT						-0.022	-0.180	-0.237
9	CERVICAL HEIGHT							0.179	0.131
12	BUSTPOINT HEIGHT								0.114
	MULTIPLE CORRELATIONS	0.618	0.634	0.648	0.686	0.698	0.702	0.741	0.754
	ST ERRORS OF ESTIMATE	0.803	0.790	0.779	0.744	0.732	0.728	0.687	0.673

EQUATIONS FOR ESTIMATING NECK-TO-BUSTPOINT LENGTH

NO. 80

	CONSTANT	-2.811	-4.563	-1.301	-1.506	-0.228	-0.430	1.219	0.969
81	STRAP LENGTH	0.434	0.424	0.442	0.416	0.424	0.425	0.418	0.347
79	SHOULDER LENGTH		0.164	0.343	0.360	0.338	0.332	0.348	0.417
63	BIACROMIAL BREADTH			-0.197	-0.205	-0.174	-0.178	-0.155	-0.153
74	CHEST DEPTH				0.082	0.101	0.102	0.111	0.140
36	NECK CIRCUMFERENCE					-0.090	-0.105	-0.097	-0.073
20	ANKLE HEIGHT						0.076	0.096	0.077
12	BUSTPOINT HEIGHT							-0.025	-0.201
10	ACROMIAL HEIGHT								0.177
	MULTIPLE CORRELATIONS	0.900	0.904	0.914	0.916	0.918	0.920	0.921	0.931
	ST ERRORS OF ESTIMATE	0.823	0.807	0.769	0.760	0.750	0.744	0.735	0.689

EQUATIONS FOR ESTIMATING STRAP LENGTH

NO. 81

	CONSTANT	17.571	7.540	3.264	5.561	3.341	1.453	1.625	1.512
80	NECK-BUST POINT L	1.869	1.652	1.633	1.658	1.688	1.669	1.677	1.672
37	SHOULDER CIRCUMFER		0.155	0.113	0.127	0.095	0.083	0.076	0.050
36	NECK CIRCUMFERENCE			0.266	0.256	0.221	0.210	0.238	0.237
79	SHOULDER LENGTH				-0.273	-0.473	-0.475	-0.470	-0.467
63	BIACROMIAL BREADTH					0.245	0.237	0.253	0.245
86	ANTERIOR WAIST LTH						0.127	0.133	0.139
20	ANKLE HEIGHT							-0.131	-0.139
82	INTERSCYE								0.086
	MULTIPLE CORRELATIONS	0.900	0.917	0.922	0.924	0.927	0.929	0.930	0.930
	ST ERRORS OF ESTIMATE	1.708	1.566	1.520	1.498	1.475	1.458	1.448	1.440

TABLE XXVIII
STEPWISE MULTIPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING INTERSCYE CURVATURE

NO. 82

	CONSTANT	3.528	-0.646	-1.630	-1.871	-1.374	1.960	2.091	1.745
37	SHOULDER CIRCUMFER	0.314	0.243	0.205	0.159	0.204	0.205	0.181	0.205
88	SPINE-TO-SCYE LGTH		0.555	0.456	0.436	0.428	0.437	0.426	0.420
83	INTERSCYE, MAXIMUM			0.138	0.132	0.144	0.154	0.148	0.147
84	BACK CURVATURE				0.132	0.141	0.139	0.125	0.125
53	SCYE CIRCUMFERENCE					-0.157	-0.140	-0.148	-0.106
14	ABDOMINAL EXT HGT						-0.050	-0.048	-0.056
65	CHEST BREADTH							0.125	0.126
56	BICEPS C, FLEXED, R								-0.102
	MULTIPLE CORRELATIONS	0.662	0.715	0.729	0.740	0.746	0.751	0.753	0.755
	ST ERRORS OF ESTIMATE	1.830	1.708	1.672	1.644	1.627	1.614	1.608	1.603

EQUATIONS FOR ESTIMATING INTERSCYE CURVATURE, MAXIMUM

NO. 83

	CONSTANT	12.539	7.315	3.897	4.283	-0.245	-1.102	0.644	2.085
37	SHOULDER CIRCUMFER	0.367	0.274	0.268	0.197	0.177	0.143	0.149	0.162
88	SPINE-TO-SCYE LGTH		0.715	0.679	0.519	0.471	0.453	0.446	0.433
20	ANKLE HEIGHT			0.425	0.404	0.258	0.241	0.248	0.219
82	INTERSCYE				0.292	0.317	0.315	0.315	0.309
18	TIBIALE HEIGHT					0.197	0.191	0.196	0.323
80	NECK-BUST POINT L						0.202	0.197	0.189
118	NASAL BREADTH							-0.741	-0.704
15	TROCHANTERIC HGHT								-0.087
	MULTIPLE CORRELATIONS	0.573	0.628	0.652	0.669	0.680	0.688	0.691	0.695
	ST ERRORS OF ESTIMATE	2.694	2.559	2.495	2.445	2.412	2.391	2.379	2.369

EQUATIONS FOR ESTIMATING BACK CURVATURE

NO. 84

	CONSTANT	11.746	6.743	3.001	5.826	2.624	3.572	4.432	4.647
40	CHEST C BELOW BUST	0.409	0.315	0.225	0.207	0.203	0.209	0.174	0.146
82	INTERSCYE		0.342	0.250	0.257	0.251	0.261	0.256	0.234
37	SHOULDER CIRCUMFER			0.136	0.170	0.145	0.135	0.107	0.078
79	SHOULDER LENGTH				-0.351	-0.465	-0.454	-0.442	-0.435
89	SPINE-TO-ELBOW LTH					0.148	0.176	0.169	0.164
20	ANKLE HEIGHT						-0.214	-0.231	-0.224
67	WAIST BREADTH							0.212	0.210
65	CHEST BREADTH								0.203
	MULTIPLE CORRELATIONS	0.652	0.691	0.702	0.710	0.716	0.722	0.727	0.731
	ST ERRORS OF ESTIMATE	2.316	2.209	2.177	2.152	2.134	2.116	2.100	2.088

TABLE XXVIII
STEPWISE MULTIPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING WAIST BACK

NO. 85

	CONSTANT	1.221	-0.177	1.492	-0.914	-0.138	1.470	1.389	1.116
23	SITTING HEIGHT	0.459	0.611	0.371	0.282	0.181	0.353	0.294	0.488
26	WAIST HGHT,SITTING		-0.497	-0.548	-0.535	-0.379	-0.443	-0.442	-0.437
25	MIDSHOULDER HT,SIT			0.346	0.312	0.222	0.171	0.162	0.160
9	CERVICALE HEIGHT				0.084	0.422	0.641	0.674	0.672
13	WAIST HEIGHT					-0.375	-0.285	-0.249	-0.249
7	STATURE						-0.317	-0.271	-0.263
16	BUTTOCK HEIGHT							-0.122	-0.126
22	SITTING HT,RELAXED								-0.202
MULTIPLE CORRELATIONS		0.657	0.732	0.757	0.769	0.807	0.820	0.825	0.828
ST ERRORS OF ESTIMATE		1.671	1.510	1.448	1.417	1.310	1.271	1.256	1.245

EQUATIONS FOR ESTIMATING ANTERIOR WAIST LENGTH

NO. 86

	CONSTANT	9.024	5.370	6.606	1.752	-0.969	0.968	1.925	1.886
50	VERTICAL TRUNK CIR	0.159	0.126	0.153	0.120	0.062	0.067	0.022	0.028
85	WAIST BACK		0.216	0.191	0.031	0.045	0.053	-0.045	-0.047
26	WAIST HGHT,SITTING			-0.188	-0.342	-0.349	-0.324	-0.094	-0.092
23	SITTING HEIGHT				0.234	0.285	0.338	0.059	0.057
39	BUST CIRCUMFERENCE					0.077	0.080	0.074	0.077
13	WAIST HEIGHT						-0.084	-0.703	-0.701
11	SUPRASTERNAL HGHT							0.690	0.685
1	AGE								-0.021
MULTIPLE CORRELATIONS		0.557	0.597	0.614	0.645	0.665	0.682	0.837	0.839
ST ERRORS OF ESTIMATE		1.626	1.570	1.545	1.497	1.463	1.433	1.073	1.066

EQUATIONS FOR ESTIMATING SLEEVE INSEAM

NO. 87

	CONSTANT	-1.713	-1.215	1.592	2.788	2.139	1.460	1.921	1.756
90	SPINE-TO-WRIST LTH	0.576	0.337	0.398	0.497	0.406	0.370	0.386	0.390
32	RADIAL-STYLELION L		0.792	0.713	0.584	0.476	0.441	0.447	0.400
55	BICEPS C,RELAXED,R			-0.227	-0.186	-0.175	-0.182	-0.095	-0.087
88	SPINE-TO-SCYE LGTH				-0.349	-0.305	-0.300	-0.292	-0.301
19	CROTCH HEIGHT					0.124	0.103	0.107	0.104
33	THUMB-TIP REACH						0.081	0.084	0.082
53	SCYE CIRCUMFERENCE							-0.129	-0.139
20	ANKLE HEIGHT								0.149
MULTIPLE CORRELATIONS		0.792	0.849	0.874	0.888	0.897	0.901	0.904	0.908
ST ERRORS OF ESTIMATE		1.475	1.278	1.176	1.111	1.070	1.048	1.033	1.016

TABLE XXVIII
STEPWISE MULTIPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING SPINE-TO-SCYE LENGTH (SLEEVE LENGTH SEGMENT) NO. 88

	CONSTANT	9.463	0.678	2.871	3.449	2.943	2.173	2.320	1.374
82	INTERSCYE	0.311	0.227	0.192	0.185	0.146	0.142	0.156	0.155
89	SPINE-TO-ELBOW LTH		0.220	0.355	0.413	0.387	0.250	0.240	0.243
87	SLEEVE INSEAM			-0.185	-0.127	-0.128	-0.189	-0.203	-0.193
31	ACROMION-RADIALE L				-0.193	-0.190	-0.206	-0.200	-0.214
83	INTERSCYE, MAXIMUM					0.065	0.059	0.065	0.059
90	SPINE-TO-WRIST LTH						0.147	0.165	0.155
77	BUTTOCK DEPTH							-0.070	-0.079
72	FEMORAL BREADTH, R								0.268
	MULTIPLE CORRELATIONS	0.559	0.664	0.707	0.721	0.731	0.737	0.741	0.746
	ST ERRORS OF ESTIMATE	1.126	1.015	0.961	0.942	0.927	0.918	0.912	0.906

EQUATIONS FOR ESTIMATING SPINE-TO-ELBOW LENGTH (SLEEVE LENGTH SEGMENT) NO. 89

	CONSTANT	-0.641	-0.941	-1.643	-1.862	-1.751	-2.208	-3.586	-3.576
90	SPINE-TO-WRIST LTH	0.678	0.834	0.791	0.748	0.767	0.742	0.737	0.728
32	RADIALE-STYLION L		-0.518	-0.461	-0.468	-0.424	-0.414	-0.412	-0.413
88	SPINE-TO-SCYE LGTH			0.137	0.164	0.156	0.159	0.154	0.164
31	ACROMION-RADIALE L				0.105	0.150	0.170	0.162	0.151
19	CROTCH HEIGHT					-0.052	-0.055	-0.060	-0.061
79	SHOULDER LENGTH						0.119	0.108	0.092
22	SITTING HT, RELAXED							0.031	0.056
27	ELBOW REST HEIGHT								-0.041
	MULTIPLE CORRELATIONS	0.935	0.956	0.958	0.959	0.961	0.962	0.962	0.963
	ST ERRORS OF ESTIMATE	0.854	0.705	0.688	0.580	0.670	0.662	0.656	0.653

EQUATIONS FOR ESTIMATING SPINE-TO-WRIST LENGTH (SLEEVE LENGTH) NO. 90

	CONSTANT	10.858	5.673	5.353	3.804	3.452	3.066	2.401	2.284
89	SPINE-TO-ELBOW LTH	1.289	1.052	0.988	0.944	0.927	0.888	0.884	0.879
32	RADIALE-STYLION L		0.762	0.548	0.511	0.466	0.460	0.452	0.446
87	SLEEVE INSEAM			0.198	0.233	0.186	0.207	0.210	0.199
60	FOREARM C, RELAXED				0.137	0.127	0.119	0.099	0.091
19	CROTCH HEIGHT					0.062	0.063	0.060	0.056
88	SPINE-TO-SCYE LGTH						0.088	0.087	0.090
92	HAND BREADTH							0.218	0.208
34	THUMB-TIP, EXTENDED								0.018
	MULTIPLE CORRELATIONS	0.935	0.971	0.974	0.976	0.977	0.977	0.977	0.978
	ST ERRORS OF ESTIMATE	1.178	0.792	0.746	0.728	0.713	0.708	0.704	0.701

TABLE XXVIII
STEPWISE MULTIPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING HAND LENGTH

NO. 91

	CONSTANT	3.774	2.235	0.597	0.863	-0.011	0.380	-0.057	-0.152
94	FOOT LENGTH	0.607	0.488	0.423	0.454	0.416	0.421	0.415	0.417
31	ACROMION-RADIAL L		0.142	0.136	0.139	0.103	0.105	0.107	0.100
93	HAND CIRCUMFERENCE			0.195	0.190	0.186	0.220	0.207	0.197
20	ANKLE HEIGHT				-0.107	-0.116	-0.116	-0.112	-0.119
28	POPLITEAL HEIGHT					0.075	0.069	0.066	0.056
57	BICEPS C, RELAXED, L						-0.037	-0.035	-0.035
119	LIP LENGTH							0.179	0.187
21	LAT'L MALLEOLUS HT								0.133
	MULTIPLE CORRELATIONS	0.714	0.740	0.756	0.770	0.777	0.782	0.786	0.789
	ST ERRORS OF ESTIMATE	0.672	0.645	0.628	0.613	0.605	0.599	0.595	0.590

EQUATIONS FOR ESTIMATING HAND BREADTH

NO. 92

	CONSTANT	1.766	0.939	1.507	0.786	0.973	0.863	1.085	1.018
93	HAND CIRCUMFERENCE	0.316	0.281	0.284	0.278	0.265	0.260	0.265	0.254
94	FOOT LENGTH		0.061	0.066	0.062	0.058	0.055	0.059	0.049
114	BIAURICULAR BROTH			-0.047	-0.059	-0.061	-0.055	-0.045	-0.048
97	HEAD BREADTH				0.077	0.077	0.067	0.071	0.072
125	GRIP STRENGTH					0.006	0.006	0.006	0.006
119	LIP LENGTH						0.074	0.090	0.088
113	BIOCULAR BREADTH							-0.072	-0.071
95	FOOT BREADTH								0.061
	MULTIPLE CORRELATIONS	0.736	0.752	0.761	0.769	0.773	0.776	0.781	0.783
	ST ERRORS OF ESTIMATE	0.264	0.257	0.253	0.249	0.248	0.246	0.244	0.243

EQUATIONS FOR ESTIMATING HAND CIRCUMFERENCE

NO. 93

	CONSTANT	5.363	1.558	1.354	0.875	1.373	0.586	0.864	1.100
92	HAND BREADTH	1.715	1.151	1.138	1.083	1.071	1.080	1.043	1.048
62	WRIST CIRCUMFERENCE		0.539	0.424	0.394	0.400	0.384	0.378	0.386
61	FOREARM C, FLEXED			0.081	0.078	0.106	0.101	0.091	0.099
95	FOOT BREADTH				0.160	0.171	0.162	0.166	0.161
68	HIP BREADTH					-0.037	-0.035	-0.034	-0.028
113	BIOCULAR BREADTH						0.113	0.110	0.110
125	GRIP STRENGTH							0.010	0.010
84	BACK CURVATURE								-0.018
	MULTIPLE CORRELATIONS	0.736	0.814	0.820	0.823	0.826	0.829	0.830	0.832
	ST ERRORS OF ESTIMATE	0.614	0.528	0.520	0.516	0.511	0.509	0.507	0.505

TABLE XXVIII
STEPWISE MULTIPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING FOOT LENGTH

NO. 94

	CONSTANT	8.645	2.273	0.047	-0.542	-0.351	-2.557	-2.577	-2.540
91	HAND LENGTH	0.839	0.542	0.468	0.466	0.456	0.442	0.465	0.476
9	CEPVICALE HEIGHT		0.085	0.077	0.071	0.051	0.050	0.046	0.051
95	FOOT BREADTH			0.530	0.438	0.406	0.387	0.367	0.363
49	ANKLE CIRCUMFERNCE				0.108	0.115	0.105	0.107	0.111
32	RADIALE-STYLION L					0.125	0.116	0.096	0.087
98	HEAD CIRCUMFERENCE						0.058	0.058	0.057
20	ANKLE HEIGHT							0.066	0.073
21	LAT'L MALLEOLUS HT								-0.115
	MULTIPLE CORRELATIONS	0.714	0.788	0.816	0.823	0.831	0.834	0.837	0.839
	ST ERRORS OF ESTIMATE	0.790	0.695	0.652	0.641	0.629	0.623	0.618	0.615

EQUATIONS FOR ESTIMATING FOOT BREADTH

NO. 95

	CONSTANT	3.404	1.830	1.470	1.705	1.556	1.067	1.540	1.437
94	FOOT LENGTH	0.227	0.163	0.148	0.153	0.146	0.142	0.143	0.135
93	HAND CIRCUMFERENCE		0.170	0.146	0.153	0.146	0.144	0.152	0.113
47	GALF CIRCUM, RIGHT			0.034	0.040	0.041	0.040	0.042	0.041
80	NECK-BUST POINT L				-0.027	-0.027	-0.027	-0.025	-0.026
118	NASAL BREADTH					0.129	0.141	0.156	0.147
114	BIAURICULAR BRDTH						0.039	0.044	0.050
116	BIZYGOMATIC BRDTH							-0.069	-0.075
92	HAND BREADTH								0.143
	MULTIPLE CORRELATIONS	0.515	0.583	0.600	0.607	0.613	0.617	0.622	0.626
	ST ERRORS OF ESTIMATE	0.427	0.404	0.399	0.396	0.394	0.392	0.391	0.389

EQUATIONS FOR ESTIMATING HEAD LENGTH

NO. 96

	CONSTANT	2.554	1.395	2.675	2.254	2.416	2.415	2.658	2.375
98	HEAD CIRCUMFERENCE	0.289	0.224	0.263	0.256	0.274	0.265	0.266	0.265
107	PRONASALE TO WALL		0.223	0.200	0.186	0.182	0.185	0.192	0.192
97	HEAD BREADTH			-0.202	-0.214	-0.192	-0.183	-0.184	-0.188
121	MENTON-SELLION LTH				0.120	0.127	0.122	0.120	0.113
112	BITRAGION-CORONAL					-0.043	-0.053	-0.054	-0.055
101	PRONASALE-TOP HEAD						0.047	0.051	0.049
20	ANKLE HEIGHT							-0.039	-0.047
21	LAT'L MALLEOLUS HT								0.092
	MULTIPLE CORRELATIONS	0.692	0.744	0.761	0.767	0.771	0.774	0.778	0.782
	ST ERRORS OF ESTIMATE	0.490	0.454	0.441	0.436	0.433	0.430	0.427	0.424

TABLE XXVIII
STEPWISE MULTIPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING HEAD BREADTH

NO. 97

	CONSTANT	5.519	2.970	1.810	2.533	2.795	2.843	2.809	2.515
115	BITRAGION BREADTH	0.698	0.601	0.561	0.527	0.528	0.525	0.533	0.433
112	BITRAGION-CORONAL		0.112	0.087	0.076	0.073	0.086	0.050	0.046
98	HEAD CIRCUMFERENCE			0.046	0.109	0.119	0.126	0.132	0.133
96	HEAD LENGTH				-0.183	-0.141	-0.123	-0.103	-0.106
108	SUBNASALE TO WALL					-0.076	-0.080	-0.117	-0.113
103	STOMION-TOP HEAD						-0.061	-0.131	-0.128
99	TRAGION-TOP HEAD							0.191	0.191
116	BIZYGOMATIC BROTH								0.123
	MULTIPLE CORRELATIONS	0.586	0.638	0.646	0.662	0.671	0.678	0.698	0.703
	ST ERRORS OF ESTIMATE	0.482	0.458	0.454	0.446	0.442	0.438	0.427	0.424

EQUATIONS FOR ESTIMATING HEAD CIRCUMFERENCE

NO. 98

	CONSTANT	24.397	13.950	8.275	6.550	5.307	3.816	3.279	3.237
96	HEAD LENGTH	1.655	1.408	1.407	1.210	1.049	1.044	1.055	1.056
112	BITRAGION-CORONAL		0.442	0.324	0.252	0.243	0.238	0.233	0.225
97	HEAD BREADTH			0.658	0.625	0.644	0.474	0.490	0.487
111	SAGITTAL CURVATURE				0.242	0.240	0.237	0.239	0.237
108	SUBNASALE TO WALL					0.219	0.201	0.204	0.183
115	BITRAGION BREADTH						0.363	0.405	0.377
1	AGE							-0.017	-0.018
77	BUTTOCK DEPTH								0.057
	MULTIPLE CORRELATIONS	0.692	0.784	0.815	0.836	0.843	0.848	0.851	0.853
	ST ERRORS OF ESTIMATE	1.172	1.008	0.942	0.892	0.873	0.862	0.855	0.850

EQUATIONS FOR ESTIMATING TRAGION TO TOP OF HEAD

NO. 99

	CONSTANT	5.137	1.523	-0.348	0.091	-0.250	-0.004	0.879	0.341
100	ECTOCANTHUS-TOP HD	0.645	0.560	0.569	0.695	0.728	0.725	0.724	0.722
112	BITRAGION-CORONAL		0.136	0.123	0.125	0.120	0.119	0.137	0.124
110	MENTON TO WALL			0.121	0.105	0.101	0.107	0.122	0.127
101	PRONASALE-TOP HEAD				-0.115	-0.143	-0.135	-0.124	-0.116
122	SUBNASALE-SELLION					0.134	0.142	0.154	0.134
124	EAR BREADTH						-0.148	-0.144	-0.137
98	HEAD CIRCUMFERENCE							-0.036	-0.049
97	HEAD BREADTH								0.108
	MULTIPLE CORRELATIONS	0.776	0.809	0.828	0.833	0.836	0.838	0.840	0.843
	ST ERRORS OF ESTIMATE	0.482	0.450	0.428	0.423	0.420	0.417	0.415	0.412

TABLE XXVIII
STEPWISE MULTIPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING ECTOCANTHUS TO TOP OF HEAD									NO. 100
	CONSTANT	0.037	-2.389	-1.362	-1.081	-1.343	-0.689	-0.246	-0.441
102	SURNASALE-TOP HEAD	0.737	0.544	0.562	0.331	0.236	0.242	0.241	0.245
99	TRAGION-TOP HEAD		0.432	0.426	0.429	0.418	0.420	0.424	0.424
122	SUBNASALE-SELLION			-0.272	-0.274	-0.267	-0.252	-0.246	-0.250
101	PRONASALE-TOP HEAD				0.228	0.219	0.212	0.209	0.208
103	STOMION-TOP HEAD					0.113	0.117	0.121	0.114
24	EYE HEIGHT, SITTING						-0.011	-0.010	-0.012
116	BIZYGOMATIC BIRTH							-0.047	-0.060
93	HAND CIRCUMFERENCE								0.033
	MULTIPLE CORRELATIONS	0.880	0.923	0.930	0.935	0.937	0.937	0.938	0.938
	ST ERRORS OF ESTIMATE	0.436	0.354	0.337	0.325	0.323	0.321	0.320	0.319

EQUATIONS FOR ESTIMATING PRONASALE TO TOP OF HEAD									NO. 101
	CONSTANT	-1.263	0.080	0.047	1.053	0.103	0.167	-0.332	-0.128
102	SURNASALE-TOP HEAD	1.007	1.018	0.896	0.875	0.850	0.849	0.845	0.840
36	NECK CIRCUMFERENCE		-0.045	-0.044	-0.034	-0.036	-0.039	-0.039	-0.038
100	ECTOCANTHUS-TOP HD			0.165	0.194	0.204	0.204	0.202	0.249
109	LIP PROTRUS'N-WALL				-0.070	-0.101	-0.101	-0.101	-0.092
96	HEAD LENGTH					0.103	0.097	0.087	0.084
1	AGE						0.007	0.007	0.007
113	BIOGULAR BREADTH							0.078	0.078
99	TRAGION-TOP HEAD								-0.064
	MULTIPLE CORRELATIONS	0.943	0.946	0.948	0.950	0.951	0.952	0.952	0.953
	ST ERRORS OF ESTIMATE	0.388	0.381	0.374	0.368	0.363	0.360	0.359	0.357

EQUATIONS FOR ESTIMATING SUBNASALE TO TOP OF HEAD									NO. 102
	CONSTANT	-0.595	0.325	-0.350	-0.186	-0.120	-0.579	-0.200	-0.281
103	STOMION-TOP HEAD	0.926	0.496	0.393	0.391	0.366	0.370	0.372	0.378
101	PRONASALE-TOP HEAD		0.457	0.452	0.404	0.377	0.385	0.389	0.379
104	MENTON-TOP HEAD			0.118	0.190	0.176	0.158	0.155	0.144
120	MENTON-SUBNASALE L				-0.180	-0.171	-0.167	-0.163	-0.163
100	ECTOCANTHUS-TOP HD					0.088	0.088	0.085	0.101
36	NECK CIRCUMFERENCE						0.019	0.023	0.021
117	BIGONIAL BREADTH							-0.052	-0.055
122	SUBNASALE-SELLION								0.060
	MULTIPLE CORRELATIONS	0.945	0.969	0.970	0.973	0.973	0.974	0.974	0.974
	ST ERRORS OF ESTIMATE	0.358	0.272	0.266	0.255	0.252	0.250	0.249	0.248

TABLE XXVIII
STEPWISE MULTIPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING STOMION TO TOP OF HEAD

NO. 103

	CONSTANT	2.455	0.231	0.354	0.282	1.173	0.600	0.679	0.788
102	SUBNASALE-TOP HEAD	0.966	0.690	0.614	0.556	0.648	0.638	0.651	0.582
104	MENTON-TOP HEAD		0.302	0.285	0.227	0.240	0.246	0.256	0.261
100	ECTOCANTHUS-TOP HD			0.124	0.129	0.132	0.132	0.107	0.091
120	MENTON-SUBNASALE L				0.111	0.104	0.085	0.087	0.090
97	HEAD BREADTH					-0.072	-0.088	-0.078	-0.076
113	BIOCULAR BREADTH						0.097	0.099	0.092
122	SUBNASALE-SELLION							-0.085	-0.092
101	PRONASALE-TOP HEAD								0.076
	MULTIPLE CORRELATIONS	0.945	0.957	0.958	0.959	0.960	0.960	0.961	0.961
	ST ERRORS OF ESTIMATE	0.366	0.326	0.322	0.319	0.316	0.313	0.311	0.310

EQUATIONS FOR ESTIMATING MENTON TO TOP OF HEAD

NO. 104

	CONSTANT	5.596	2.102	1.917	1.954	2.128	3.165	1.024	0.539
103	STOMION-TOP HEAD	0.915	0.863	0.647	0.463	0.398	0.400	0.383	0.381
121	MENTON-SELLION LTH		0.416	0.468	0.474	0.365	0.364	0.334	0.316
100	ECTOCANTHUS-TOP HD			0.296	0.224	0.198	0.198	0.184	0.184
102	SUBNASALE-TOP HEAD				0.253	0.331	0.341	0.340	0.341
120	MENTON-SUBNASALE L					0.218	0.232	0.229	0.237
114	BIAURICULAR BRDTH						-0.082	-0.096	-0.092
98	HEAD CIRCUMFERENCE							0.058	0.050
92	HAND BREADTH								0.136
	MULTIPLE CORRELATIONS	0.900	0.926	0.934	0.936	0.939	0.942	0.944	0.945
	ST ERRORS OF ESTIMATE	0.496	0.429	0.409	0.400	0.392	0.384	0.375	0.372

EQUATIONS FOR ESTIMATING TRAGION TO WALL

NO. 105

	CONSTANT	-2.920	-0.183	0.600	0.252	-0.039	0.314	0.287	0.015
106	ECTOCANTHUS-WALL	0.800	0.854	0.851	0.854	0.805	0.818	0.820	0.818
98	HEAD CIRCUMFERENCE		-0.066	-0.050	-0.053	-0.051	-0.028	-0.020	-0.021
115	BITRAGION BREADTH			-0.125	-0.164	-0.173	-0.188	-0.176	-0.183
114	BIAURICULAR BRDTH				0.061	0.059	0.057	0.048	0.047
110	MENTON TO WALL					0.062	0.064	0.068	0.069
96	HEAD LENGTH						-0.089	-0.094	-0.101
118	NASAL BREADTH							-0.137	-0.137
16	BUTTOCK HEIGHT								0.007
	MULTIPLE CORRELATIONS	0.860	0.867	0.869	0.871	0.873	0.874	0.875	0.876
	ST ERRORS OF ESTIMATE	0.459	0.449	0.446	0.443	0.440	0.438	0.436	0.435

TABLE XXVIII
STEPWISE MULTIPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING ECTOCANTHUS TO WALL										NO. 106
	CONSTANT	6.946	1.111	-0.429	-0.606	-1.485	-2.215	-1.793	-2.177	
105	TRAGION TO WALL	0.925	0.581	0.569	0.536	0.540	0.548	0.544	0.550	
107	PRONASALE TO WALL		0.441	0.414	0.204	0.184	0.177	0.179	0.142	
104	MENTON-TOP HEAD			0.102	0.114	0.092	0.088	0.094	0.086	
108	SUBNASALE TO WALL				0.239	0.241	0.238	0.244	0.245	
111	SAGITTAL CURVATURE					0.049	0.045	0.040	0.028	
115	BITRAGION BREADTH						0.084	0.116	0.124	
113	BIOCULAR BREADTH							-0.092	-0.112	
96	HEAD LENGTH								0.095	
MULTIPLE CORRELATIONS		0.860	0.911	0.918	0.922	0.924	0.925	0.926	0.927	
ST ERRORS OF ESTIMATE		0.494	0.400	0.385	0.376	0.371	0.369	0.367	0.364	

EQUATIONS FOR ESTIMATING PRONASALE TO WALL										NO. 107
	CONSTANT	3.198	1.161	1.455	0.971	0.422	0.380	0.140	0.089	
108	SUBNASALE TO WALL	0.915	0.851	0.740	0.735	0.732	0.734	0.755	0.758	
96	HEAD LENGTH		0.179	0.150	0.129	0.121	0.129	0.117	0.111	
106	ECTOCANTHUS-WALL			0.148	0.153	0.147	0.149	0.129	0.126	
122	SUBNASALE-SELLION				0.195	0.179	0.184	0.175	0.113	
50	VERTICAL TRUNK CTR					0.006	0.007	0.007	0.006	
120	MENTON-SUBNASALE L						-0.064	-0.066	-0.120	
101	PRONASALE-TOP HEAD							0.029	0.030	
121	MENTON-SELLION LTH								0.082	
MULTIPLE CORRELATIONS		0.935	0.941	0.945	0.948	0.949	0.950	0.950	0.951	
ST ERRORS OF ESTIMATE		0.741	0.725	0.716	0.706	0.703	0.702	0.700	0.699	

EQUATIONS FOR ESTIMATING SUBNASALE TO WALL										NO. 108
	CONSTANT	2.697	0.129	0.203	0.204	0.207	0.374	0.147	0.046	
109	LIP PROTRUS'N-WALL	0.879	0.518	0.502	0.462	0.447	0.459	0.463	0.462	
107	PRONASALE TO WALL		0.450	0.414	0.407	0.415	0.414	0.404	0.402	
106	ECTOCANTHUS-WALL			0.061	0.067	0.071	0.066	0.065	0.065	
110	MENTON TO WALL				0.045	0.053	0.049	0.050	0.050	
1	AGE					-0.004	-0.004	-0.004	-0.004	
119	LIP LENGTH						-0.051	-0.055	-0.054	
18	TIBIALE HEIGHT							0.009	0.009	
124	EAR BREADTH								0.053	
MULTIPLE CORRELATIONS		0.948	0.970	0.971	0.971	0.972	0.972	0.972	0.972	
ST ERRORS OF ESTIMATE		0.311	0.238	0.235	0.234	0.233	0.232	0.231	0.230	

TABLE XXVIII
STEPWISE MULTIPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING LIP PROTRUSION TO WALL

NO. 109

	CONSTANT	-0.814	-0.638	-1.004	0.166	0.038	0.515	0.606	0.672
108	SUBNASALE TO WALL	1.023	0.811	0.791	0.810	0.785	0.780	0.787	0.782
110	MENTON TO WALL		0.219	0.220	0.208	0.225	0.231	0.226	0.235
118	NASAL BREADTH			0.232	0.213	0.203	0.195	0.207	0.208
22	SITTING HT, RELAXED				-0.015	-0.017	-0.015	-0.013	-0.012
120	MENTON-SUBNASALE L					0.092	0.101	0.105	0.110
114	BIAURICULAR BRDTH						-0.043	-0.042	-0.038
122	SUBNASALE-SELLION							-0.084	-0.079
57	BICEPS C, RELAXED, L								-0.013
MULTIPLE CORRELATIONS		0.948	0.957	0.960	0.961	0.962	0.962	0.963	0.963
ST ERRORS OF ESTIMATE		0.336	0.307	0.298	0.294	0.291	0.288	0.286	0.285

EQUATIONS FOR ESTIMATING MENTON TO WALL

NO. 110

	CONSTANT	0.322	3.060	1.288	1.738	1.300	1.482	0.547	0.665
109	LIP PROTRUS'N-WALL	0.928	0.945	0.916	0.937	0.666	0.633	0.656	0.658
103	STOMION-TOP HEAD		-0.172	-0.183	-0.158	-0.177	-0.336	-0.343	-0.342
38	CHEST CIRC AT SCYE			0.030	0.031	0.029	0.029	0.026	0.023
120	MENTON-SUBNASALE L				-0.250	-0.246	-0.216	-0.227	-0.226
108	SUBNASALE TO WALL					0.313	0.342	0.320	0.317
100	ECTOCANTHUS-TOP HD						0.217	0.213	0.211
114	BIAURICULAR BRDTH							0.089	0.084
1	AGE								0.010
MULTIPLE CORRELATIONS		0.864	0.881	0.890	0.896	0.900	0.904	0.907	0.908
ST ERRORS OF ESTIMATE		0.571	0.538	0.519	0.505	0.496	0.486	0.480	0.476

EQUATIONS FOR ESTIMATING SAGITTAL CURVATURE

NO. 111

	CONSTANT	4.884	7.710	7.433	4.263	3.677	3.247	2.813	3.643
98	HEAD CIRCUMFERENCE	0.545	0.585	0.524	0.498	0.448	0.444	0.370	0.370
113	BIOCULAR BREADTH		-0.519	-0.554	-0.566	-0.628	-0.610	-0.627	-0.580
102	SUBNASALE-TOP HEAD			0.249	0.217	0.188	0.175	0.164	0.162
23	SITTING HEIGHT				0.061	0.058	0.050	0.045	0.059
112	BITRAGION-CORONAL					0.137	0.143	0.165	0.165
20	ANKLE HEIGHT						0.104	0.111	0.132
96	HEAD LENGTH							0.241	0.269
28	POPLITEAL HEIGHT								-0.078
MULTIPLE CORRELATIONS		0.594	0.617	0.640	0.651	0.660	0.666	0.670	0.676
ST ERRORS OF ESTIMATE		1.197	1.172	1.145	1.131	1.120	1.112	1.107	1.100

TABLE XXVIII
STEPWISE MULTIPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING BITRAGION-CORONAL CURVATURE									NO. 112
	CONSTANT	8.190	6.061	3.626	1.693	3.039	2.219	2.761	2.608
98	HEAD CIRCUMFERENCE	0.469	0.348	0.285	0.261	0.326	0.265	0.330	0.324
99	TRAGION-TOP HEAD		0.689	0.649	0.644	0.703	0.670	0.657	0.640
97	HEAD BREADTH			0.441	0.400	0.331	0.340	0.286	0.300
113	BIOCULAR BREADTH				0.404	0.404	0.461	0.488	0.462
107	PRONASALE TO WALL					-0.220	-0.213	-0.157	-0.159
111	SAGITTAL CURVATURE						0.108	0.119	0.122
96	HEAD LENGTH							-0.271	-0.294
120	MENTON-SUBNASALE L								0.200
MULTIPLE CORRELATIONS		0.542	0.644	0.665	0.679	0.690	0.696	0.701	0.704
ST ERRORS OF ESTIMATE		1.181	1.076	1.050	1.033	1.018	1.010	1.004	0.999

EQUATIONS FOR ESTIMATING BIOCULAR BREADTH									NO. 113
	CONSTANT	4.990	3.408	2.239	2.000	2.723	2.409	2.143	1.573
116	BIZYGOMATIC BRDTH	0.363	0.331	0.294	0.207	0.238	0.250	0.257	0.245
114	BIAURICULAR BRDTH		0.126	0.122	0.108	0.109	0.102	0.097	0.085
91	HAND LENGTH			0.093	0.086	0.094	0.082	0.077	0.070
117	BIGONIAL BREADTH				0.168	0.171	0.165	0.161	0.155
36	NECK CIRCUMFERENCE					-0.039	-0.043	-0.044	-0.048
120	MENTON-SUBNASALE L						0.124	0.116	0.100
124	EAR BREADTH							0.156	0.158
112	BITRAGION-CORONAL								0.039
MULTIPLE CORRELATIONS		0.426	0.489	0.520	0.543	0.557	0.571	0.580	0.589
ST ERRORS OF ESTIMATE		0.445	0.429	0.420	0.414	0.409	0.404	0.401	0.398

EQUATIONS FOR ESTIMATING BIAURICULAR BREADTH									NO. 114
	CONSTANT	6.644	4.827	5.425	6.102	4.136	3.602	3.533	2.976
115	BITRAGION BREADTH	0.713	0.580	0.975	0.956	0.897	0.862	0.888	0.795
113	BIOCULAR BREADTH		0.365	0.481	0.523	0.464	0.437	0.442	0.464
116	BIZYGOMATIC BRDTH			-0.528	-0.461	-0.467	-0.443	-0.458	-0.486
119	LIP LENGTH				-0.389	-0.393	-0.394	-0.249	-0.266
112	BITRAGION-CORONAL					0.100	0.093	0.102	0.081
123	EAR LENGTH						0.225	0.242	0.247
118	NASAL BREADTH							-0.360	-0.362
97	HEAD BREADTH								0.184
MULTIPLE CORRELATIONS		0.375	0.414	0.468	0.497	0.515	0.525	0.535	0.542
ST ERRORS OF ESTIMATE		0.881	0.865	0.840	0.825	0.815	0.810	0.804	0.800

TABLE XXVIII
STEPWISE MULTIPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING BITRAGION BREADTH

NO. 115

	CONSTANT	4.905	3.089	1.805	1.912	1.297	1.126	0.363	0.165
116	BIZYGOMATIC BROTH	0.619	0.583	0.484	0.485	0.453	0.417	0.413	0.416
114	BIAURICULAR BROTH		0.144	0.116	0.111	0.113	0.106	0.101	0.098
97	HEAD BREADTH			0.207	0.188	0.175	0.173	0.151	0.156
1	AGE				0.010	0.009	0.008	0.008	0.008
36	NECK CIRCUMFERENCE					0.032	0.032	0.026	0.026
117	BIGONIAL BREADTH						0.091	0.090	0.087
98	HEAD CIRCUMFERENCE							0.026	0.024
124	EAR BREADTH								0.092
	MULTIPLE CORRELATIONS	0.716	0.765	0.792	0.802	0.808	0.813	0.816	0.818
	ST ERRORS OF ESTIMATE	0.349	0.322	0.305	0.299	0.295	0.292	0.290	0.288

EQUATIONS FOR ESTIMATING BIZYGOMATIC BREADTH

NO. 116

	CONSTANT	2.227	1.539	2.121	1.399	0.748	0.568	0.828	0.442
115	BITRAGION BREADTH	0.828	0.668	0.727	0.699	0.619	0.640	0.648	0.641
117	BIGONIAL BREADTH		0.270	0.275	0.226	0.220	0.222	0.218	0.202
114	BIAURICULAR BROTH			-0.088	-0.106	-0.112	-0.110	-0.107	-0.107
113	BIOCULAR BREADTH				0.193	0.197	0.195	0.208	0.198
97	HEAD BREADTH					0.124	0.130	0.122	0.120
1	AGE						-0.009	-0.008	-0.008
124	EAR BREADTH							-0.135	-0.138
73	FEMORAL BREADTH, L								0.095
	MULTIPLE CORRELATIONS	0.716	0.750	0.762	0.775	0.782	0.787	0.791	0.794
	ST ERRORS OF ESTIMATE	0.404	0.383	0.375	0.366	0.361	0.357	0.354	0.352

EQUATIONS FOR ESTIMATING BIGONIAL BREADTH

NO. 117

	CONSTANT	3.079	1.889	1.122	0.289	0.968	0.654	0.406	0.728
116	BIZYGOMATIC BROTH	0.551	0.464	0.420	0.303	0.298	0.280	0.261	0.245
113	BIOCULAR BREADTH		0.239	0.231	0.215	0.225	0.211	0.199	0.197
40	CHEST C BELOW BUST			0.019	0.016	0.017	0.012	0.013	0.007
115	BITRAGION BREADTH				0.211	0.222	0.223	0.229	0.243
87	SLEEVE INSEAM					-0.021	-0.024	-0.024	-0.023
73	FEMORAL BREADTH, L						0.144	0.140	0.134
119	LIP LENGTH							0.112	0.118
5	SUPRAILIAC SKINFOLD								0.075
	MULTIPLE CORRELATIONS	0.567	0.597	0.617	0.630	0.637	0.644	0.649	0.654
	ST ERRORS OF ESTIMATE	0.464	0.451	0.443	0.437	0.434	0.431	0.429	0.426

TABLE XXVIII
STEPWISE MULTIPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING NASAL BREADTH

NO. 118

	CONSTANT	1.390	0.229	-0.511	0.454	0.142	0.170	0.096	0.161
119	LIP LENGTH	0.412	0.382	0.371	0.365	0.356	0.349	0.345	0.338
109	LIP PROTRUS'N-WALL		0.067	0.059	0.060	0.053	0.053	0.048	0.099
104	MENTON-TOP HEAD			0.043	0.057	0.053	0.053	0.048	0.054
22	SITTING HT, RELAXED				-0.015	-0.019	-0.019	-0.021	-0.019
36	NECK CIRCUMFERENCE					0.027	0.030	0.027	0.028
6	MEDIAL CALF SKINF						-0.062	-0.062	-0.060
95	FOOT BREADTH							0.064	0.064
107	PRONASALE TO WALL								-0.064
MULTIPLE CORRELATIONS		0.526	0.566	0.585	0.603	0.615	0.623	0.629	0.634
ST ERRORS OF ESTIMATE		0.281	0.272	0.268	0.264	0.260	0.259	0.257	0.256

EQUATIONS FOR ESTIMATING LIP LENGTH

NO. 119

	CONSTANT	2.235	0.815	1.427	1.266	0.820	0.943	0.731	0.633
118	NASAL BREADTH	0.671	0.635	0.623	0.613	0.592	0.595	0.582	0.586
116	BIZYGOMATIC BRDTH		0.119	0.131	0.082	0.068	0.075	0.059	0.058
114	BIAURICULAR BRDTH			-0.046	-0.055	-0.053	-0.046	-0.054	-0.055
117	BIGONIAL BREADTH				0.095	0.091	0.104	0.091	0.086
92	HAND BREADTH					0.093	0.137	0.140	0.136
60	FOREARM C, RELAXED						-0.034	-0.034	-0.042
113	BIOCULAR BREADTH							0.072	0.072
80	NECK-BUST POINT L								0.015
MULTIPLE CORRELATIONS		0.526	0.550	0.559	0.569	0.574	0.582	0.586	0.589
ST ERRORS OF ESTIMATE		0.358	0.352	0.349	0.347	0.345	0.343	0.342	0.341

EQUATIONS FOR ESTIMATING MENTON-SUBNASALE LENGTH

NO. 120

	CONSTANT	-0.071	0.091	-0.692	-0.781	-0.824	-0.022	-0.511	-0.841
121	MENTON-SELLION LTH	0.528	0.725	0.676	0.592	0.588	0.588	0.572	0.563
122	SUBNASALE-SELLION		-0.496	-0.484	-0.428	-0.404	-0.393	-0.387	-0.383
104	MENTON-TOP HEAD			0.057	0.197	0.145	0.158	0.176	0.190
102	SUBNASALE-TOP HEAD				-0.147	-0.264	-0.273	-0.269	-0.279
103	STOMION-TOP HEAD					0.167	0.167	0.140	0.134
116	BIZYGOMATIC BRDTH						-0.077	-0.123	-0.126
113	BIOCULAR BREADTH							0.129	0.112
114	BIAURICULAR BRDTH								0.036
MULTIPLE CORRELATIONS		0.633	0.710	0.719	0.731	0.739	0.744	0.752	0.754
ST ERRORS OF ESTIMATE		0.395	0.359	0.355	0.348	0.344	0.342	0.337	0.336

TABLE XXVIII
STFPWISE MULTIPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING MENTON-SELLION LENGTH

NO. 121

	CONSTANT	6.417	3.258	2.350	1.993	1.990	1.620	1.643	1.407
120	MENTON-SUBNASALE L	0.760	0.686	0.638	0.526	0.522	0.521	0.520	0.520
122	SUBNASALE-SELLION		0.785	0.759	0.750	0.711	0.705	0.688	0.685
104	MENTON-TOP HEAD			0.059	0.266	0.289	0.284	0.287	0.282
102	SUBNASALE-TOP HEAD				-0.221	-0.149	-0.147	-0.147	-0.148
100	ECTOANTHUS-TOP HD					-0.123	-0.122	-0.127	-0.123
88	SPINE-TO-SCYE LGTH						0.023	0.021	0.016
1	AGE							0.004	0.004
63	BIACROMIAL BREADTH								0.012
	MULTIPLE CORRELATIONS	0.633	0.821	0.827	0.844	0.848	0.849	0.850	0.851
	ST ERRORS OF ESTIMATE	0.474	0.350	0.345	0.329	0.325	0.324	0.323	0.322

EQUATIONS FOR ESTIMATING SUBNASALE-SELLION LENGTH

NO. 122

	CONSTANT	0.327	0.305	0.298	0.056	0.323	0.094	-0.004	0.173
121	MENTON-SELLION LTH	0.397	0.580	0.559	0.555	0.534	0.526	0.517	0.547
120	MENTON-SUBNASALE L		-0.347	-0.335	-0.337	-0.311	-0.310	-0.307	-0.283
1	AGE			0.007	0.007	0.007	0.007	0.007	0.007
101	PRONASALE-TOP HEAD				0.020	0.091	0.102	0.052	0.046
100	ECTOANTHUS-TOP HD					-0.105	-0.151	-0.176	-0.159
99	TRAGION-TOP HEAD						0.054	0.054	0.061
102	SUBNASALE-TOP HEAD							0.076	0.134
104	MENTON-TOP HEAD								-0.080
	MULTIPLE CORRELATIONS	0.592	0.680	0.690	0.692	0.702	0.705	0.707	0.712
	ST ERRORS OF ESTIMATE	0.331	0.301	0.297	0.296	0.293	0.292	0.291	0.289

EQUATIONS FOR ESTIMATING EAR LENGTH

NO. 123

	CONSTANT	4.095	2.364	2.552	1.736	1.186	0.635	0.785	0.864
124	EAR BREADTH	0.383	0.342	0.318	0.304	0.290	0.295	0.294	0.296
38	CHEST CIRC AT SCYE		0.022	0.017	0.016	0.013	0.012	0.015	0.010
1	AGE			0.013	0.012	0.012	0.012	0.012	0.012
114	BIAURICULAR BROTH				0.061	0.055	0.055	0.055	0.056
94	FOOT LENGTH					0.039	0.033	0.035	0.033
111	SAGITTAL CURVATURE						0.022	0.022	0.023
88	SPINE-TO-SCYE LGTH							-0.022	-0.022
76	ABDOMINAL EXT DPTH								0.016
	MULTIPLE CORRELATIONS	0.288	0.376	0.414	0.433	0.443	0.449	0.453	0.456
	ST ERRORS OF ESTIMATE	0.425	0.411	0.404	0.400	0.398	0.397	0.397	0.396

TABLE XXVIII
STEPWISE MULTIPLE REGRESSION EQUATIONS

EQUATIONS FOR ESTIMATING EAR BREADTH

NO. 124

	CONSTANT	1.850	1.121	0.590	1.024	0.679	1.120	0.981	1.063
123	EAR LENGTH	0.216	0.205	0.194	0.193	0.184	0.190	0.184	0.180
108	SURNASALE TO WALL		0.040	0.037	0.038	0.034	0.040	0.039	0.047
113	BIOCULAR BREADTH			0.067	0.094	0.088	0.082	0.067	0.065
116	BIZYGOMATIC BRDTH				-0.055	-0.113	-0.117	-0.113	-0.109
115	BITRAGION BREADTH					0.099	0.113	0.111	0.111
111	SAGITTAL CURVATURE						-0.019	-0.027	-0.025
103	STOMION-TOP HEAD							0.033	0.055
99	TRAGION-TOP HEAD								-0.056
	MULTIPLE CORRELATIONS	0.288	0.311	0.326	0.337	0.352	0.361	0.374	0.386
	ST ERRORS OF ESTIMATE	0.319	0.317	0.315	0.314	0.312	0.311	0.309	0.308

EQUATIONS FOR ESTIMATING GRIP STRENGTH

NO. 125

	CONSTANT	-20.226	-35.167	-39.679	-38.993	-47.728	-47.766	-49.372	-50.448
93	HAND CIRCUMFERENCE	2.736	2.099	2.089	1.638	1.426	1.380	1.271	0.858
37	SHOULDER CIRCUMFER		0.265	0.442	0.315	0.244	0.235	0.251	0.247
76	ABDOMINAL EXT DPTH			-0.626	-0.752	-0.717	-0.781	-0.700	-0.697
60	FOREARM C, RELAXED				0.978	0.988	1.009	1.175	1.161
90	SPINE-TO-WRIST LTH					0.236	0.244	0.224	0.202
1	AGE						0.085	0.083	0.079
3	TRICEPS SKINFOLD							-1.027	-0.922
92	HAND BREADTH								1.450
	MULTIPLE CORRELATIONS	0.435	0.486	0.515	0.533	0.545	0.553	0.558	0.562
	ST ERRORS OF ESTIMATE	5.136	4.987	4.894	4.831	4.786	4.759	4.742	4.728

TABLE XXIX

STEPWISE MULTIPLE REGRESSION EQUATIONS (STATURE AND WEIGHT FORCED)

EQUATIONS FOR ESTIMATING AGE

NO. 1

	CONSTANT	12.400	26.995	16.325	-5.869	-38.697	-32.749	-57.700	-48.367
2	WEIGHT	0.191	0.236	0.216	0.051	-0.271	-0.143	-0.426	-0.254
7	STATURE		-0.106	-0.139	-0.126	0.030	-0.037	0.075	0.085
122	SURNASALE-SELLION			3.775	3.503	3.457	3.051	3.094	2.903
81	STRAP LENGTH				0.473	0.458	0.500	0.485	0.434
58	BICEPS C, FLEXED, L					1.029	1.067	1.120	1.086
5	SUPRAILIAIC SKINFLD						-2.215	-2.601	-2.511
76	ABDOMINAL EXT DPTH							1.114	1.057
78	THIGH CLEARANCE								-1.188
	MULTIPLE CORRELATIONS	0.223	0.238	0.335	0.399	0.441	0.478	0.519	0.542
	ST ERRORS OF ESTIMATE	6.291	6.270	6.084	5.923	5.797	5.676	5.527	5.433

EQUATIONS FOR ESTIMATING WEIGHT

NO. 2

	CONSTANT	-50.39	-88.30	-94.71	-100.23	-104.26	-101.71	-101.26	-100.38
7	STATURE	0.667	0.276	0.342	0.332	0.307	0.305	0.314	0.324
52	BUTTOCK CIRC, SIT		1.013	0.648	0.545	0.443	0.374	0.275	0.233
56	BICEPS C, FLEXED, R			1.202	0.912	0.661	0.594	0.523	0.500
39	BUST CIRCUMFERENCE				0.281	0.315	0.226	0.227	0.213
47	CALF CIRCUM, RIGHT					0.643	0.657	0.564	0.574
41	WAIST CIRCUMFERENCE						0.208	0.208	0.154
45	UPPER THIGH CIRCUM							0.234	0.233
76	ABDOMINAL EXT DPTH								0.331
	MULTIPLE CORRELATIONS	0.533	0.927	0.958	0.967	0.977	0.980	0.982	0.983
	ST ERRORS OF ESTIMATE	6.370	2.829	2.168	1.912	1.623	1.509	1.434	1.388

EQUATIONS FOR ESTIMATING TRICEPS SKINFOLD

NO. 3

	CONSTANT	-0.579	3.695	-0.786	-1.205	-1.443	-1.875	-3.108	-1.982
2	WEIGHT	0.043	0.056	0.013	0.009	-0.001	-0.004	-0.018	-0.009
7	STATURE		-0.031	-0.010	-0.006	-0.002	0.002	0.006	0.004
55	BICEPS C, RELAXED, R			0.139	0.123	0.117	0.110	0.109	0.115
6	MEDIAL CALF SKINF				0.258	0.226	0.226	0.208	0.192
5	SUPRAILIAIC SKINFLO					0.188	0.139	0.130	0.134
4	SUBSCAPULAR SKINF						0.181	0.199	0.221
45	UPPER THIGH CIRCUM							0.026	0.022
38	CHEST CIRC AT SCYE								-0.015
	MULTIPLE CORRELATIONS	0.597	0.662	0.722	0.755	0.777	0.785	0.791	0.794
	ST ERRORS OF ESTIMATE	0.437	0.408	0.377	0.357	0.343	0.338	0.334	0.331

TABLE XXIX

STEPWISE MULTIPLE REGRESSION EQUATIONS (STATURE AND WEIGHT FORCED)

EQUATIONS FOR ESTIMATING SUBSCAPULAR SKINFOLD

NO. 4

	CONSTANT	-0.793	3.749	2.670	0.594	-0.538	-0.621	-1.147	-0.564
2	WEIGHT	0.036	0.050	0.031	0.013	-0.001	-0.004	-0.009	-0.004
7	STATURE		-0.033	-0.023	-0.015	-0.010	-0.008	-0.007	-0.005
5	SUPRAILIAC SKINFOLD			0.281	0.243	0.223	0.197	0.182	0.177
54	AXILLARY ARM CIRC				0.069	0.069	0.060	0.055	0.057
76	ABDOMINAL EXT DPTH					0.056	0.055	0.047	0.041
3	TRICEPS SKINFOLD						0.132	0.141	0.135
74	CHEST DEPTH							0.041	0.041
71	HUMERAL BREADTH, L								-0.181
	MULTIPLE CORRELATIONS	0.565	0.663	0.734	0.754	0.765	0.772	0.779	0.784
	ST ERRORS OF ESTIMATE	0.400	0.363	0.329	0.319	0.312	0.308	0.305	0.302

EQUATIONS FOR ESTIMATING SUPRAILIAC SKINFOLD

NO. 5

	CONSTANT	-1.145	3.662	1.298	0.555	1.027	-0.983	-1.609	-0.350
2	WEIGHT	0.054	0.069	0.037	0.026	0.030	0.007	0.004	0.006
7	STATURE		-0.035	-0.014	-0.008	-0.010	-0.005	-0.005	-0.004
4	SUBSCAPULAR SKINFOLD			0.628	0.532	0.535	0.436	0.422	0.421
3	TRICEPS SKINFOLD				0.278	0.274	0.304	0.306	0.296
1	AGE					-0.016	-0.017	-0.019	-0.019
41	WAIST CIRCUMFERENCE						0.039	0.037	0.035
80	NECK-BUST POINT L							0.039	0.038
111	SAGITTAL CURVATURE								-0.039
	MULTIPLE CORRELATIONS	0.582	0.634	0.712	0.729	0.743	0.758	0.763	0.767
	ST ERRORS OF ESTIMATE	0.570	0.543	0.493	0.481	0.470	0.458	0.454	0.451

EQUATIONS FOR ESTIMATING MEDIAL CALF SKINFOLD

NO. 6

	CONSTANT	0.151	3.036	1.659	-0.434	-1.167	-0.900	-1.382	0.308
2	WEIGHT	0.025	0.034	0.011	-0.009	-0.015	-0.012	-0.019	-0.006
7	STATURE		-0.021	-0.009	-0.008	-0.006	0.001	0.003	0.001
3	TRICEPS SKINFOLD			0.399	0.361	0.371	0.342	0.300	0.302
46	KNEE CIRCUMFERENCE				0.087	0.062	0.064	0.068	0.059
48	CALF CIRCUM, LEFT					0.048	0.050	0.056	0.052
94	FOOT LENGTH						-0.069	-0.065	-0.067
5	SUPRAILIAC SKINFOLD							0.099	0.098
37	SHOULDER CIRCUMFER								-0.016
	MULTIPLE CORRELATIONS	0.362	0.417	0.523	0.565	0.579	0.588	0.595	0.601
	ST ERRORS OF ESTIMATE	0.482	0.470	0.441	0.427	0.422	0.419	0.416	0.414

TABLE XXIX

STEPWISE MULTIPLE REGRESSION EQUATIONS (STATURE AND WEIGHT FORCED)

EQUATIONS FOR ESTIMATING STATURE

NO. 7

	CONSTANT	137.566	14.406	6.372	5.429	5.442	4.776	4.679	3.104
2	WEIGHT	0.425	0.005	-0.008	-0.019	-0.011	-0.006	-0.008	-0.011
9	CERVICALE HEIGHT		1.059	0.945	0.541	0.455	0.483	0.419	0.426
23	SITTING HEIGHT			0.288	0.271	0.362	0.470	0.517	0.495
11	SUPRASTERNAL HGT				0.449	0.384	0.373	0.273	0.265
17	GLUTEAL FURROW HGT					0.169	0.153	0.135	0.135
25	MIDSHOULDER HT, SIT						-0.175	-0.253	-0.232
10	ACROMIAL HEIGHT							0.183	0.178
104	MENTON-TOP HEAD								0.144
	MULTIPLE CORRELATIONS	0.533	0.977	0.982	0.986	0.988	0.988	0.989	0.989
	ST ERRORS OF ESTIMATE	5.083	1.276	1.129	0.985	0.940	0.916	0.891	0.879

EQUATIONS FOR ESTIMATING STATURE, MAXIMUM

NO. 8

	CONSTANT	138.095	0.529	1.064	0.391	0.821	0.539	0.208	0.137
2	WEIGHT	0.427	0.002	0.000	-0.001	-0.001	-0.002	-0.002	-0.003
7	STATURE		1.000	0.927	0.901	0.872	0.855	0.856	0.854
9	CERVICALE HEIGHT			0.082	0.096	0.062	0.051	0.050	0.050
23	SITTING HEIGHT				0.035	0.081	0.081	0.082	0.081
19	CROTCH HEIGHT					0.068	0.061	0.059	0.057
11	SUPRASTERNAL HGT						0.039	0.039	0.039
119	LIP LENGTH							0.085	0.077
94	FOOT LENGTH								0.030
	MULTIPLE CORRELATIONS	0.533	0.998	0.998	0.998	0.998	0.998	0.998	0.998
	ST ERRORS OF ESTIMATE	5.097	0.382	0.370	0.364	0.350	0.348	0.346	0.346

EQUATIONS FOR ESTIMATING CERVICALE HEIGHT

NO. 9

	CONSTANT	116.275	-5.316	-2.698	-0.118	-0.419	-0.661	-0.329	-0.851
2	WEIGHT	0.397	0.021	0.006	0.012	0.016	0.015	0.015	0.011
7	STATURE		0.884	0.595	0.567	0.504	0.441	0.437	0.426
10	ACROMIAL HEIGHT			0.342	0.261	0.236	0.186	0.179	0.173
19	CROTCH HEIGHT				0.165	0.226	0.143	0.106	0.146
85	WAIST BACK					0.223	0.283	0.289	0.307
13	WAIST HEIGHT						0.208	0.191	0.157
18	TIBIALE HEIGHT							0.130	0.142
26	WAIST HGT, SITTING								0.108
	MULTIPLE CORRELATIONS	0.541	0.977	0.982	0.984	0.986	0.988	0.988	0.988
	ST ERRORS OF ESTIMATE	4.644	1.166	1.042	0.989	0.912	0.871	0.856	0.844

TABLE XXIX

STEPWISE MULTIPLE REGRESSION EQUATIONS (STATURE AND WEIGHT FORCED)

EQUATIONS FOR ESTIMATING ACROMIAL HEIGHT

NO. 10

CONSTANT	109.651	-7.866	-4.261	-1.863	-0.346	1.284	-2.210	-3.253
2 WEIGHT	0.402	0.042	0.020	0.028	0.026	0.037	0.007	-0.001
7 STATURE		0.847	0.309	0.343	0.121	0.106	0.079	0.026
11 SUPRATERNALE HGHT			0.643	0.632	0.458	0.327	0.254	0.278
79 SHOULDER LENGTH				-0.472	-0.515	-0.492	-0.550	-0.524
9 CERVICALE HEIGHT					0.418	0.388	0.349	0.333
12 BUSTPOINT HEIGHT						0.180	0.339	0.345
80 NECK-BUST POINT L							0.263	0.254
25 MIDSHOULDER HT,SIT								0.143
MULTIPLE CORRELATIONS	0.552	0.960	0.971	0.974	0.977	0.979	0.980	0.981
ST ERRORS OF ESTIMATE	4.569	1.533	1.321	1.244	1.165	1.125	1.086	1.055

EQUATIONS FOR ESTIMATING SUPRATERNALE HEIGHT

NO. 11

CONSTANT	109.485	-5.480	-2.289	0.115	-2.071	-4.040	-3.000	-2.865
2 WEIGHT	0.390	0.034	0.017	0.028	0.014	-0.006	0.001	0.001
7 STATURE		0.836	0.497	0.435	0.379	0.299	0.280	0.225
10 ACROMIAL HEIGHT			0.400	0.314	0.299	0.226	0.179	0.153
14 ABDOMINAL EXT HGT				0.197	0.266	0.080	0.063	0.054
86 ANTERIOR WAIST LTH					0.227	0.392	0.366	0.357
13 WAIST HEIGHT						0.374	0.348	0.331
12 BUSTPOINT HEIGHT							0.109	0.108
9 CERVICALE HEIGHT								0.109
MULTIPLE CORRELATIONS	0.553	0.974	0.981	0.983	0.985	0.988	0.988	0.989
ST ERRORS OF ESTIMATE	4.419	1.209	1.042	0.979	0.912	0.826	0.806	0.800

EQUATIONS FOR ESTIMATING BUSTPOINT HEIGHT

NO. 12

CONSTANT	100.017	-13.882	6.621	9.194	9.575	8.978	2.355	1.136
2 WEIGHT	0.317	-0.035	0.113	0.079	0.069	0.067	0.014	0.007
7 STATURE		0.828	0.819	0.236	0.152	0.151	0.186	0.151
81 STRAP LENGTH			-0.423	-0.394	-0.380	-0.217	-0.251	-0.220
11 SUPRATERNALE HGHT				0.697	0.533	0.505	0.514	0.475
10 ACROMIAL HEIGHT					0.262	0.287	0.262	0.326
80 NECK-BUST POINT L						-0.367	-0.392	-0.472
39 BUST CIRCUMFERENCE							0.100	0.104
79 SHOULDER LENGTH								0.250
MULTIPLE CORRELATIONS	0.457	0.928	0.958	0.972	0.974	0.976	0.977	0.978
ST ERRORS OF ESTIMATE	4.638	1.947	1.489	1.230	1.182	1.143	1.105	1.085

TABLE XXIX

STEPWISE MULTIPLE REGRESSION EQUATIONS (STATURE AND WEIGHT FORCED)

EQUATIONS FOR ESTIMATING WAIST HEIGHT

NO. 13

	CONSTANT	83.132	-10.251	0.562	4.264	5.970	5.645	5.911	2.835
2	WEIGHT	0.297	0.008	0.034	0.063	0.049	0.044	0.038	0.009
7	STATURE		0.679	0.214	0.341	0.046	0.105	-0.002	0.015
14	ABDOMINAL EXT HGT			0.677	0.554	0.373	0.343	0.300	0.293
86	ANTERIOR WAIST LTH				-0.432	-0.557	-0.524	-0.497	-0.511
11	SUPRASTERNAL HGT					0.515	0.506	0.419	0.427
85	WAIST BACK						-0.150	-0.212	-0.209
9	CERVICAL HEIGHT							0.248	0.239
74	CHEST DEPTH								0.135
MULTIPLE CORRELATIONS		0.497	0.914	0.959	0.971	0.978	0.980	0.981	0.982
ST ERRORS OF ESTIMATE		3.906	1.830	1.272	1.075	0.942	0.907	0.878	0.862

EQUATIONS FOR ESTIMATING ABDOMINAL EXTENSION HEIGHT

NO. 14

	CONSTANT	78.545	-15.857	-8.158	-4.274	2.157	4.525	6.495	6.744
2	WEIGHT	0.253	-0.038	-0.045	-0.037	0.037	0.051	0.074	0.076
7	STATURE		0.686	0.169	0.139	0.126	0.302	0.293	0.250
13	WAIST HEIGHT			0.763	0.520	0.523	0.487	0.487	0.467
19	CROTCH HEIGHT				0.334	0.310	0.196	0.201	0.155
42	ABDOMINAL EXT CIRC					-0.083	-0.093	-0.073	-0.073
23	SITTING HEIGHT						-0.219	-0.228	-0.191
76	ABDOMINAL EXT DPTH							-0.151	-0.171
16	BUTTOCK HEIGHT								0.113
MULTIPLE CORRELATIONS		0.431	0.899	0.952	0.961	0.964	0.966	0.967	0.967
ST ERRORS OF ESTIMATE		3.992	1.941	1.350	1.231	1.183	1.145	1.134	1.121

EQUATIONS FOR ESTIMATING TROCHANTERIC HEIGHT

NO. 15

	CONSTANT	67.604	-15.202	-2.483	-2.684	-4.223	-4.179	-1.264	-0.170
2	WEIGHT	0.261	0.005	0.016	0.009	0.004	0.001	0.023	0.028
7	STATURE		0.602	0.208	0.160	0.087	0.015	0.022	0.166
19	CROTCH HEIGHT			0.678	0.486	0.424	0.333	0.331	0.268
16	BUTTOCK HEIGHT				0.276	0.273	0.233	0.232	0.188
35	OVERHEAD REACH					0.093	0.087	0.085	0.086
13	WAIST HEIGHT						0.230	0.231	0.213
83	INTERSCYE, MAXIMUM							-0.097	-0.097
23	SITTING HEIGHT								-0.173
MULTIPLE CORRELATIONS		0.460	0.852	0.917	0.923	0.927	0.930	0.932	0.934
ST ERRORS OF ESTIMATE		3.791	2.236	1.709	1.648	1.600	1.568	1.546	1.529

TABLE XXIX

STEPWISE MULTIPLE REGRESSION EQUATIONS (STATURE AND WEIGHT FORCED)

EQUATIONS FOR ESTIMATING BUTTOCK HEIGHT

NO. 16

	CONSTANT	67.260	-12.396	0.604	2.781	4.214	4.210	2.165	-2.020
2	WEIGHT	0.259	0.013	0.024	0.040	0.042	0.038	0.037	-0.007
7	STATURE		0.579	0.175	0.101	0.298	0.249	0.215	0.225
19	CROTCH HEIGHT			0.696	0.468	0.370	0.302	0.269	0.277
17	GLUTEAL FURROW HGT				0.356	0.282	0.256	0.252	0.249
23	SITTING HEIGHT					-0.243	-0.213	-0.183	-0.168
15	TROCHANTERIC HGHT						0.152	0.146	0.140
28	POPLITEAL HEIGHT							0.202	0.215
76	ABDOMINAL EXT DPTH								0.163
	MULTIPLE CORRELATIONS	0.468	0.848	0.919	0.931	0.934	0.936	0.938	0.939
	ST ERRORS OF ESTIMATE	3.681	2.209	1.641	1.519	1.486	1.466	1.449	1.437

EQUATIONS FOR ESTIMATING GLUTEAL FURROW HEIGHT

NO. 17

	CONSTANT	61.616	-18.364	-10.371	-4.871	-3.933	-3.628	-3.744	0.772
2	WEIGHT	0.192	-0.054	-0.062	-0.045	-0.043	-0.045	-0.045	0.000
7	STATURE		0.581	0.213	0.536	0.420	0.385	0.357	0.348
16	BUTTOCK HEIGHT			0.634	0.391	0.306	0.281	0.267	0.268
23	SITTING HEIGHT				-0.454	-0.353	-0.332	-0.311	-0.306
19	CROTCH HEIGHT					0.216	0.171	0.137	0.126
15	TROCHANTERIC HGHT						0.110	0.116	0.122
18	TIBIALE HEIGHT							0.144	0.143
52	BUTTOCK GIRC, SIT								-0.058
	MULTIPLE CORRELATIONS	0.366	0.830	0.902	0.918	0.921	0.922	0.923	0.924
	ST ERRORS OF ESTIMATE	3.688	2.212	1.712	1.576	1.546	1.536	1.527	1.521

EQUATIONS FOR ESTIMATING TIBIALE HEIGHT

NO. 18

	CONSTANT	34.535	-8.791	-1.778	-2.284	-1.366	-3.121	-2.539	-2.738
2	WEIGHT	0.129	-0.005	0.001	0.001	0.006	0.006	0.010	0.008
7	STATURE		0.315	0.100	0.090	0.028	0.024	0.012	0.010
19	CROTCH HEIGHT			0.369	0.348	0.233	0.198	0.155	0.138
20	ANKLE HEIGHT				0.330	0.346	0.345	0.337	0.311
14	ABDOMINAL EXT HGT					0.185	0.164	0.143	0.137
28	POPLITEAL HEIGHT						0.170	0.159	0.149
17	GLUTEAL FURROW HGT							0.094	0.088
32	RADIALE-STYLION L								0.154
	MULTIPLE CORRELATIONS	0.408	0.787	0.853	0.872	0.879	0.882	0.885	0.887
	ST ERRORS OF ESTIMATE	2.170	1.468	1.241	1.167	1.136	1.121	1.110	1.101

TABLE XXIX

STEPWISE MULTIPLE REGRESSION EQUATIONS (STATURE AND WEIGHT FORCED)

EQUATIONS FOR ESTIMATING GROUCH HEIGHT

NO. 19

CONSTANT	61.168	-18.754	-6.906	-6.255	-3.200	-2.920	-3.449	4.497
2 WEIGHT	0.231	-0.016	0.012	-0.003	0.004	-0.000	-0.001	1.074
7 STATURE		0.591	0.075	0.025	0.301	0.234	-0.506	-0.435
14 ABDOMINAL EXT HGT			0.736	0.467	0.356	0.289	0.255	0.245
16 BUTTOCK HEIGHT				0.406	0.287	0.228	0.210	0.214
23 SITTING HEIGHT					-0.328	-0.273	-0.336	-0.340
15 TROCHANTERIC HGT						0.208	0.191	0.181
8 STATURE, MAXIMUM							3.811	0.735
43 HIP C-7" RLW WAIST								-0.103
MULTIPLE CORRELATIONS	0.431	0.849	0.929	0.938	0.945	0.949	0.951	0.953
ST ERRORS OF ESTIMATE	3.638	2.127	1.576	1.397	1.323	1.278	1.243	1.219

EQUATIONS FOR ESTIMATING ANKLE HEIGHT

NO. 20

CONSTANT	9.570	-0.103	2.561	-2.598	-1.286	-1.933	-2.635	-2.522
2 WEIGHT	0.028	-0.001	0.000	-0.026	-0.021	-0.026	-0.028	-0.022
7 STATURE		0.070	-0.025	-0.024	-0.002	-0.012	0.029	0.023
18 TRIAXIAL HEIGHT			0.302	0.296	0.304	0.286	0.343	0.305
36 NECK CIRCUMFERENCE				0.200	0.190	0.180	0.166	0.156
91 HAND LENGTH					-0.281	-0.415	-0.373	-0.373
94 FOOT LENGTH						0.254	0.256	0.224
14 ABDOMINAL EXT HGT							-0.091	-0.111
87 SLEEVE INSEAM								0.113
MULTIPLE CORRELATIONS	0.158	0.306	0.448	0.491	0.516	0.531	0.542	0.556
ST ERRORS OF ESTIMATE	1.338	1.290	1.212	1.181	1.162	1.150	1.140	1.128

EQUATIONS FOR ESTIMATING LATERAL MALLEOLUS HEIGHT

NO. 21

CONSTANT	5.677	0.174	-1.019	0.182	0.074	0.079	0.424	1.074
2 WEIGHT	0.019	0.002	-0.003	0.007	0.006	0.006	0.006	0.012
7 STATURE		0.040	0.039	0.037	0.048	0.047	0.028	0.027
73 FEMORAL BREADTH, L			0.202	0.208	0.198	0.197	0.193	0.181
68 HIP BREADTH				-0.043	-0.044	-0.043	-0.040	-0.035
87 SLEEVE INSEAM					-0.034	-0.045	-0.059	-0.052
20 ANKLE HEIGHT						0.055	0.059	0.057
14 ABDOMINAL EXT HGT							0.035	0.049
30 BUTTOCK-KNEE LENGTH								-0.044
MULTIPLE CORRELATIONS	0.245	0.426	0.445	0.457	0.457	0.482	0.493	0.501
ST ERRORS OF ESTIMATE	0.569	0.531	0.526	0.523	0.520	0.515	0.512	0.509

TABLE XXIX

STEPWISE MULTIPLE REGRESSION EQUATIONS (STATURE AND WEIGHT FORCED)

EQUATIONS FOR ESTIMATING SITTING HEIGHT, RELAXED

NO. 22

	CONSTANT	73.020	16.603	5.594	12.219	9.506	8.611	6.652	5.524
2	WEIGHT	0.195	0.021	-0.003	0.062	0.047	0.030	0.026	0.025
7	STATURE		0.410	0.140	0.300	0.419	0.367	0.337	0.419
24	EYE HEIGHT, SITTING			0.762	0.602	0.520	0.433	0.463	0.431
30	BUTTOCK-KNEE LENGTH				-0.427	-0.370	-0.312	-0.297	-0.261
17	GLUTEAL FURROW HGT					-0.178	-0.159	-0.146	-0.124
25	MIDSHOULDER HT, SIT						0.207	0.207	0.272
100	ECTOCANTHUS-TOP HD							0.258	0.232
10	ACROMIAL HEIGHT								-0.128
	MULTIPLE CORRELATIONS	0.452	0.783	0.920	0.933	0.939	0.942	0.945	0.946
	ST ERRORS OF ESTIMATE	2.902	2.022	1.277	1.169	1.123	1.090	1.067	1.054

EQUATIONS FOR ESTIMATING SITTING HEIGHT

NO. 23

	CONSTANT	73.880	18.749	7.828	7.332	5.754	4.704	3.289	6.241
2	WEIGHT	0.203	0.032	0.008	-0.005	0.003	-0.002	-0.005	0.022
7	STATURE		0.401	0.130	0.105	0.329	0.397	0.358	0.386
24	EYE HEIGHT, SITTING			0.763	0.565	0.458	0.425	0.456	0.433
25	MIDSHOULDER HT, SIT				0.343	0.446	0.394	0.381	0.330
10	ACROMIAL HEIGHT					-0.258	-0.209	-0.186	-0.151
17	GLUTEAL FURROW HGT						-0.137	-0.129	-0.118
100	ECTOCANTHUS-TOP HD							0.235	0.226
30	BUTTOCK-KNEE LENGTH								-0.169
	MULTIPLE CORRELATIONS	0.481	0.803	0.944	0.955	0.962	0.965	0.967	0.969
	ST ERRORS OF ESTIMATE	2.778	1.889	1.049	0.937	0.864	0.830	0.805	0.783

EQUATIONS FOR ESTIMATING EYE HEIGHT, SITTING

NO. 24

	CONSTANT	63.197	14.368	-2.506	-0.176	-0.284	-1.122	-0.909	-1.376
2	WEIGHT	0.182	0.031	0.002	0.005	-0.001	-0.021	-0.019	-0.027
7	STATURE		0.355	-0.009	0.002	0.008	0.000	0.018	0.020
23	SITTING HEIGHT			0.906	0.912	0.871	0.884	0.830	0.829
100	ECTOCANTHUS-TOP HD				-0.408	-0.394	-0.389	-0.373	-0.377
26	WAIST HGT, SITTING					0.121	0.119	0.105	0.098
78	THIGH CLEARANCE						0.174	0.168	0.201
27	ELBOW REST HEIGHT							0.070	0.072
1	AGE								0.019
	MULTIPLE CORRELATIONS	0.448	0.740	0.928	0.935	0.937	0.938	0.939	0.940
	ST ERRORS OF ESTIMATE	2.735	2.058	1.143	1.084	1.071	1.061	1.053	1.047

TABLE XXIX

STEPWISE MULTIPLE REGRESSION EQUATIONS (STATURE AND WEIGHT FORCED)

EQUATIONS FOR ESTIMATING MIDSHOULDER HEIGHT, SITTING

NO. 25

	CONSTANT	47.836	9.480	3.766	-2.041	-1.124	-4.907	-4.657	-2.695
2	WEIGHT	0.176	0.057	0.044	0.035	0.020	-0.020	-0.017	-0.008
7	STATURE		0.279	0.241	0.086	-0.220	-0.166	-0.169	-0.168
27	ELBOW REST HEIGHT			0.556	0.339	0.258	0.223	0.219	0.223
23	SITTING HEIGHT				0.425	0.554	0.450	0.425	0.427
10	ACROMIAL HEIGHT				0.306	0.241	0.236	0.238	
51	VERTICAL TRK C,SIT					0.104	0.101	0.098	
85	WAIST BACK						0.084	0.085	
72	FEMORAL BREADTH, R								-0.340
	MULTIPLE CORRELATIONS	0.497	0.729	0.886	0.915	0.929	0.936	0.938	0.939
	ST ERRORS OF ESTIMATE	2.307	1.820	1.233	1.072	0.983	0.936	0.926	0.916

EQUATIONS FOR ESTIMATING WAIST HEIGHT, SITTING

NO. 26

	CONSTANT	18.229	7.224	2.563	2.919	2.664	3.647	1.779	4.235
2	WEIGHT	0.089	0.055	0.045	0.040	0.028	0.024	0.024	0.053
7	STATURE		0.080	-0.035	0.003	-0.011	-0.206	-0.282	-0.275
24	EYE HEIGHT, SITTING			0.324	0.411	0.258	0.316	0.161	0.145
85	WAIST BACK				-0.312	-0.378	-0.304	-0.309	-0.302
25	MIDSHOULDER HT, SIT					0.296	0.305	0.211	0.226
13	WAIST HEIGHT						0.230	0.284	0.274
23	SITTING HEIGHT							0.302	0.290
67	WAIST BREADTH								-0.133
	MULTIPLE CORRELATIONS	0.386	0.452	0.593	0.667	0.705	0.735	0.751	0.756
	ST ERRORS OF ESTIMATE	1.600	1.548	1.397	1.292	1.232	1.178	1.148	1.137

EQUATIONS FOR ESTIMATING ELBOW REST HEIGHT

NO. 27

	CONSTANT	19.704	10.297	1.191	0.625	1.248	6.946	5.951	6.667
2	WEIGHT	0.052	0.024	-0.032	-0.041	-0.029	-0.006	-0.003	-0.009
25	MIDSHOULDER HT, SIT			0.973	0.844	0.822	0.814	0.701	0.631
7	STATURE		0.068	-0.204	-0.036	0.006	0.020	-0.025	-0.160
87	SLEEVE INSEAM				-0.423	-0.314	-0.272	-0.230	-0.234
31	ACROMION-RADIAL L					-0.376	-0.405	-0.389	-0.452
63	BIACROMIAL BREADTH						-0.273	-0.285	-0.260
24	EYE HEIGHT, SITTING							0.173	0.229
10	ACROMIAL HEIGHT								0.172
	MULTIPLE CORRELATIONS	0.160	0.213	0.749	0.798	0.812	0.825	0.832	0.837
	ST ERRORS OF ESTIMATE	2.430	2.407	1.631	1.486	1.439	1.392	1.368	1.349

TABLE XXIX

STEPWISE MULTIPLE REGRESSION EQUATIONS (STATURE AND WEIGHT FORCED)

EQUATIONS FOR ESTIMATING POPLITEAL HEIGHT

NO. 28

	CONSTANT	35.736	4.272	9.396	9.438	8.293	8.410	9.339	9.640
2	WEIGHT	0.092	-0.006	-0.001	-0.005	-0.008	-0.007	-0.005	-0.000
7	STATURE		0.229	0.066	0.040	0.030	0.018	0.098	0.108
19	CROTCH HEIGHT			0.282	0.180	0.167	0.126	0.090	0.078
16	BUTTOCK HEIGHT				0.146	0.143	0.124	0.099	0.092
91	HAND LENGTH					0.226	0.240	0.233	0.245
18	TIBIALE HEIGHT						0.146	0.130	0.134
23	SITTING HEIGHT							-0.099	-0.107
1	AGE								-0.019
	MULTIPLE CORRELATIONS	0.370	0.728	0.796	0.806	0.811	0.817	0.820	0.822
	ST ERRORS OF ESTIMATE	1.729	1.276	1.128	1.102	1.089	1.075	1.067	1.061

EQUATIONS FOR ESTIMATING BUTTOCK-POPLITEAL LENGTH

NO. 29

	CONSTANT	35.760	4.667	-4.913	-0.554	2.155	4.272	4.679	2.562
2	WEIGHT	0.207	0.111	-0.025	0.013	0.027	0.045	0.052	0.030
7	STATURE		0.226	-0.014	-0.020	0.045	0.046	0.054	0.067
30	BUTTOCK-KNEE LNTH			0.981	0.973	0.880	0.872	0.857	0.845
47	CALF CIRCUM, RIGHT				-0.150	-0.146	-0.134	-0.139	-0.150
22	SITTING HT, RELAXED					-0.105	-0.110	-0.074	-0.077
61	FOREARM C, FLEXED						-0.114	-0.116	-0.105
25	MIDSHOULDER HT, SIT							-0.070	-0.073
45	UPPER THIGH CIRCUM								0.045
	MULTIPLE CORRELATIONS	0.555	0.702	0.867	0.871	0.873	0.874	0.874	0.875
	ST ERRORS OF ESTIMATE	2.276	1.967	1.375	1.358	1.349	1.345	1.342	1.339

EQUATIONS FOR ESTIMATING BUTTOCK-KNEE LENGTH

NO. 30

	CONSTANT	43.399	9.850	7.307	13.236	7.965	8.727	5.309	5.100
2	WEIGHT	0.243	0.139	0.081	0.105	0.049	0.048	0.011	0.011
7	STATURE		0.244	0.127	0.269	0.303	0.193	0.203	0.226
29	BUTTOCK-POPLIT'L L			0.521	0.384	0.349	0.327	0.310	0.304
23	SITTING HEIGHT				-0.278	-0.290	-0.199	-0.214	-0.232
77	BUTTOCK DEPTH					0.269	0.281	0.240	0.242
19	CROTCH HEIGHT						0.136	0.148	0.174
44	HIP C-9" BLW WAIST							0.063	0.065
18	TIBIALE HEIGHT								-0.092
	MULTIPLE CORRELATIONS	0.694	0.839	0.925	0.941	0.946	0.949	0.951	0.952
	ST ERRORS OF ESTIMATE	1.897	1.433	1.003	0.895	0.858	0.831	0.816	0.809

TABLE XXIX

STEPWISE MULTIPLE REGRESSION EQUATIONS (STATURE AND WEIGHT FORCED)

EQUATIONS FOR ESTIMATING ACROMION-RADIALE LENGTH

NO. 31

	CONSTANT	25.521	0.035	-4.404	-1.464	0.086	0.739	1.251	2.223
2	WEIGHT	0.095	0.017	-0.009	-0.006	0.003	-0.001	-0.005	-0.001
7	STATURE		0.185	0.094	0.025	0.024	-0.060	-0.079	-0.064
90	SPINE-TO-WRIST LTH			0.260	0.216	0.263	0.262	0.087	0.033
15	TROCHANTERIC HGHT				0.140	0.117	0.089	0.102	0.062
88	SPINE-TO-SCYE LGTH					-0.184	-0.189	-0.241	-0.212
10	ACROMIAL HEIGHT						0.119	0.141	0.182
89	SPINE-TO-ELBOW LTH							0.259	0.264
27	ELBOW REST HEIGHT								-0.101
	MULTIPLE CORRELATIONS	0.441	0.728	0.799	0.820	0.830	0.837	0.846	0.854
	ST ERRORS OF ESTIMATE	1.459	1.116	0.978	0.931	0.908	0.892	0.869	0.849

EQUATIONS FOR ESTIMATING RADIALE-STYLION LENGTH

NO. 32

	CONSTANT	19.461	-0.893	0.556	1.445	-0.045	-0.809	-0.947	-1.472
2	WEIGHT	0.068	0.005	0.020	0.019	0.010	0.011	0.011	0.010
7	STATURE		0.148	0.033	0.016	0.003	0.011	0.013	0.015
87	SLEEVE INSEAM			0.370	0.331	0.278	0.195	0.188	0.186
18	TIBIALE HEIGHT				0.110	0.106	0.055	0.041	0.041
90	SPINE-TO-WRIST LTH					0.071	0.442	0.442	0.433
89	SPINE-TO-ELBOW LTH						-0.456	-0.454	-0.444
20	ANKLE HEIGHT							0.054	0.054
118	NASAL BREADTH								0.166
	MULTIPLE CORRELATIONS	0.376	0.666	0.838	0.815	0.819	0.859	0.860	0.861
	ST ERRORS OF ESTIMATE	1.268	1.021	0.807	0.793	0.785	0.702	0.699	0.697

EQUATIONS FOR ESTIMATING THUMB-TIP REACH

NO. 33

	CONSTANT	61.257	9.648	12.927	10.513	9.260	11.754	12.900	17.419
2	WEIGHT	0.223	0.064	0.094	0.085	0.072	0.074	0.115	0.151
7	STATURE		0.375	0.137	0.089	0.074	0.170	0.173	0.165
87	SLEEVE INSEAM			0.763	0.734	0.632	0.541	0.546	0.528
91	HAND LENGTH				0.647	0.595	0.553	0.583	0.585
34	THUMB-TIP, EXTENDED					0.118	0.121	0.121	0.129
24	EYE HEIGHT, SITTING						-0.185	-0.189	-0.186
78	THIGH CLEARANCE							-0.360	-0.367
65	CHEST BREADTH								-0.191
	MULTIPLE CORRELATIONS	0.433	0.655	0.734	0.745	0.753	0.758	0.762	0.765
	ST ERRORS OF ESTIMATE	3.496	2.932	2.634	2.588	2.556	2.533	2.514	2.501

TABLE XXIX

STEPWISE MULTIPLE REGRESSION EQUATIONS (STATURE AND WEIGHT FORCED)

EQUATIONS FOR ESTIMATING THUMB-TIP REACH, EXTENDED										NO. 34
	CONSTANT	68.014	7.647	6.085	8.760	6.200	0.298	5.836	-2.121	
2	WEIGHT	0.274	0.087	0.070	0.099	0.078	0.030	0.042	0.031	
7	STATURE		0.439	0.027	-0.049	-0.076	-0.066	-0.061	-0.061	
35	OVERHEAD REACH			0.348	0.254	0.249	0.242	0.239	0.234	
87	SLEEVE INSEAM				0.505	0.441	0.457	0.451	0.443	
33	THUMB-TIP REACH					0.221	0.231	0.237	0.236	
65	CHEST BREADTH						0.250	0.259	0.256	
116	BIZYGOMATIC BIRTH							-0.533	-0.639	
98	HEAD CIRCUMFERENCE								0.209	
MULTIPLE CORRELATIONS		0.422	0.622	0.599	0.725	0.734	0.737	0.740	0.742	
ST ERRORS OF ESTIMATE		4.423	3.821	3.491	3.356	3.316	3.300	3.288	3.275	

EQUATIONS FOR ESTIMATING OVERHEAD REACH										NO. 35
	CONSTANT	167.356	4.895	9.208	5.529	11.890	13.782	7.794	2.324	
2	WEIGHT	0.552	0.050	0.093	0.051	0.044	0.026	-0.002	-0.049	
7	STATURE		1.181	0.841	0.785	0.586	0.282	0.231	0.193	
87	SLEEVE INSEAM			1.095	0.795	0.590	0.587	0.543	0.619	
34	THUMB-TIP, EXTENDED				0.339	0.308	0.304	0.298	0.284	
15	TROCHANTERIC HGHT					0.459	0.363	0.362	0.436	
10	ACROMIAL HEIGHT						0.431	0.483	0.393	
63	BIACROMIAL BREADTH							0.322	0.311	
51	VERTICAL TRK C, SIT								0.122	
MULTIPLE CORRELATIONS		0.485	0.853	0.880	0.891	0.897	0.900	0.902	0.903	
ST ERRORS OF ESTIMATE		7.486	4.471	4.072	3.894	3.779	3.729	3.705	3.683	

EQUATIONS FOR ESTIMATING NECK CIRCUMFERENCE										NO. 36
	CONSTANT	26.244	25.873	20.535	21.001	16.465	18.738	18.386	23.369	
2	WEIGHT	0.130	0.128	0.123	0.124	0.113	0.114	0.114	0.162	
7	STATURE		0.003	-0.008	-0.021	-0.023	-0.018	-0.014	-0.028	
111	SAGITTAL CURVATURE			0.213	0.191	0.191	0.179	0.148	0.145	
20	ANKLE HEIGHT				0.210	0.225	0.215	0.205	0.193	
116	BIZYGOMATIC BIRTH					0.413	0.572	0.533	0.517	
113	BIOOCULAR BREADTH						-0.482	-0.546	-0.558	
118	NASAL BREADTH							0.631	0.583	
45	UPPER THIGH CIRCUM								-0.086	
MULTIPLE CORRELATIONS		0.582	0.582	0.609	0.630	0.644	0.656	0.667	0.675	
ST ERRORS OF ESTIMATE		1.364	1.364	1.330	1.303	1.285	1.267	1.252	1.240	

TABLE XXIX

STEPWISE MULTIPLE REGRESSION EQUATIONS (STATURE AND WEIGHT FORCED)

EQUATIONS FOR ESTIMATING SHOULDER CIRCUMFERENCE

NO. 37

	CONSTANT	67.504	85.773	36.627	23.004	21.718	21.564	25.759	22.090
2	WEIGHT	0.570	0.627	0.263	0.147	0.149	0.166	0.201	0.162
7	STATURE		-0.133	-0.044	-0.012	-0.011	-0.042	-0.017	0.009
64	BIDELTOID BREADTH			1.331	0.954	0.867	0.730	0.722	0.654
38	CHEST CIRC AT SCYE				0.367	0.329	0.334	0.351	0.320
82	INTERSCYE					0.224	0.205	0.195	0.216
63	BIACROMIAL BREADTH						0.284	0.273	0.299
50	VERTICAL TRUNK CIRC							-0.069	-0.076
54	AXILLARY ARM CIRC								0.241
	MULTIPLE CORRELATIONS	0.835	0.845	0.915	0.932	0.936	0.938	0.939	0.941
	ST ERRORS OF ESTIMATE	2.828	2.747	2.074	1.863	1.816	1.785	1.766	1.746

EQUATIONS FOR ESTIMATING CHEST CIRCUMFERENCE AT SCYE

NO. 38

	CONSTANT	53.650	75.232	25.583	0.461	-2.878	-2.092	-4.049	-3.683
2	WEIGHT	0.530	0.597	0.189	0.017	-0.019	-0.013	-0.027	-0.028
7	STATURE		-0.157	-0.027	-0.001	-0.002	-0.000	0.005	0.003
39	BUST CIRCUMFERENCE			0.581	0.439	0.421	0.483	0.479	0.459
37	SHOULDER CIRCUMFER				0.434	0.407	0.398	0.323	0.301
53	SCYE CIRCUMFERENCE					0.267	0.254	0.242	0.243
66	BUSTPT-BUSTPT PRTH						-0.304	-0.291	-0.281
64	BIDELTOID BREADTH							0.240	0.209
65	CHEST BREADTH								0.182
	MULTIPLE CORRELATIONS	0.803	0.819	0.902	0.929	0.932	0.934	0.936	0.937
	ST ERRORS OF ESTIMATE	2.959	2.849	2.142	1.838	1.802	1.773	1.756	1.744

EQUATIONS FOR ESTIMATING BUST CIRCUMFERENCE

NO. 39

	CONSTANT	54.739	85.565	44.575	13.540	10.208	6.732	3.520	2.941
2	WEIGHT	0.606	0.701	0.303	0.076	0.057	0.024	0.006	-0.001
7	STATURE		-0.224	-0.089	-0.036	-0.035	-0.028	-0.034	-0.033
74	CHEST DEPTH			1.780	1.338	1.095	1.020	0.930	0.965
38	CHEST CIRC AT SCYE				0.546	0.530	0.470	0.447	0.416
66	BUSTPT-BUSTPT PRTH					0.613	0.617	0.582	0.569
40	CHEST C BELOW BUST						0.148	0.165	0.137
81	STRAP LENGTH							0.133	0.127
65	CHEST BREADTH								0.190
	MULTIPLE CORRELATIONS	0.799	0.824	0.909	0.944	0.952	0.954	0.956	0.957
	ST ERRORS OF ESTIMATE	3.428	3.234	2.378	1.879	1.747	1.708	1.670	1.656

TABLE XXIX

STEPWISE MULTIPLE REGRESSION EQUATIONS (STATURE AND WEIGHT FORCED)

EQUATIONS FOR ESTIMATING CHEST CIRCUMFERENCE BELOW BUST

NO. 40

	CONSTANT	44.824	65.444	27.133	21.261	15.421	13.252	15.412	23.908
2	WEIGHT	0.511	0.575	0.269	0.210	0.129	0.117	0.129	0.208
7	STATURE		-0.150	-0.050	-0.046	-0.022	-0.021	-0.011	-0.038
39	BUST CIRCUMFERENCE			0.449	0.355	0.310	0.290	0.342	0.325
65	CHEST BREADTH				0.591	0.547	0.469	0.460	0.469
41	WAIST CIRCUMFERENCE					0.177	0.166	0.174	0.163
84	BACK CURVATURE						0.176	0.169	0.165
81	STRAP LENGTH							-0.140	-0.136
69	THIGH-THIGH BR, SIT								-0.177
	MULTIPLE CORRELATIONS	0.790	0.806	0.859	0.872	0.878	0.882	0.885	0.887
	ST ERRORS OF ESTIMATE	2.983	2.885	2.493	2.382	2.333	2.299	2.268	2.251

EQUATIONS FOR ESTIMATING WAIST CIRCUMFERENCE

NO. 41

	CONSTANT	32.563	60.609	31.397	15.929	9.773	2.936	1.735	3.531
2	WEIGHT	0.600	0.687	0.334	0.173	0.107	0.060	0.054	0.057
7	STATURE		-0.204	-0.145	-0.068	-0.046	-0.033	-0.046	0.003
67	WAIST BREADTH			1.659	1.381	1.339	1.289	1.279	1.261
75	WAIST DEPTH				1.116	0.993	0.967	0.964	0.948
42	ABDOMINAL EXT CIRC					0.111	0.106	0.108	0.111
38	CHEST CIRC AT SCYE						0.113	0.108	0.110
86	ANTERIOR WAIST LTH							0.125	0.172
22	SITTING HT, RELAXED								-0.133
	MULTIPLE CORRELATIONS	0.824	0.846	0.924	0.947	0.950	0.952	0.953	0.954
	ST ERRORS OF ESTIMATE	3.101	2.922	2.096	1.763	1.709	1.680	1.668	1.649

EQUATIONS FOR ESTIMATING ABDOMINAL EXTENSION CIRCUMFERENCE

NO. 42

	CONSTANT	41.305	82.708	47.672	10.127	1.231	-1.609	-2.304	3.671
2	WEIGHT	0.768	0.896	0.479	0.133	0.029	0.052	0.034	0.050
7	STATURE		-0.301	-0.137	-0.070	-0.044	0.228	0.121	0.099
76	ABDOMINAL EXT DPTH			1.557	1.397	1.124	1.067	0.933	0.937
43	HIP C-7" RLW WAIST				0.534	0.493	0.464	0.474	0.455
41	WAIST CIRCUMFERENCE					0.301	0.298	0.341	0.348
14	ABDOMINAL EXT HGT						-0.413	-0.751	-0.727
13	WAIST HEIGHT							0.494	0.497
118	NASAL BREADTH								-1.454
	MULTIPLE CORRELATIONS	0.794	0.821	0.859	0.877	0.884	0.890	0.894	0.897
	ST ERRORS OF ESTIMATE	4.428	4.157	3.728	3.506	3.413	3.320	3.265	3.232

TABLE XXIX

STEPWISE MULTIPLE REGRESSION EQUATIONS (STATURE AND WEIGHT FORCED)

EQUATIONS FOR ESTIMATING HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL 43

	CONSTANT	55.416	76.894	30.429	19.380	11.602	8.048	5.344	4.799
2	WEIGHT	0.662	0.728	0.255	0.134	0.047	0.010	-0.019	-0.010
7	STATURE		-0.156	-0.050	-0.016	0.006	0.007	0.021	0.184
44	HIP C-9" BLW WAIST			0.611	0.578	0.609	0.488	0.473	0.468
42	ABDOMINAL EXT CIRC				0.164	0.122	0.106	0.107	0.100
41	WAIST CIRCUMFERENCE					0.147	0.134	0.132	0.136
52	BUTTOCK CIRC, SIT						0.193	0.180	0.183
77	BUTTOCK DEPTH							0.231	0.231
9	CERVICALE HEIGHT								-0.186
MULTIPLE CORRELATIONS		0.892	0.903	0.949	0.957	0.959	0.961	0.962	0.963
ST ERRORS OF ESTIMATE		2.530	2.403	1.758	1.623	1.576	1.538	1.523	1.508

EQUATIONS FOR ESTIMATING HIP CIRCUMFERENCE-NINE INCHES BELOW WAIST LEVEL 44

	CONSTANT	54.397	75.874	40.064	14.128	6.867	0.248	6.038	7.572
2	WEIGHT	0.709	0.774	0.447	0.197	0.110	0.035	0.102	0.123
7	STATURE		-0.156	-0.112	-0.051	-0.037	-0.002	-0.023	-0.035
68	HIP BREADTH			1.360	0.941	0.793	0.678	0.626	0.608
43	HIP C-7" BLW WAIST				0.482	0.342	0.285	0.333	0.339
52	BUTTOCK CIRC, SIT					0.283	0.279	0.279	0.296
45	UPPER THIGH CIRCUM						0.271	0.236	0.228
41	WAIST CIRCUMFERENCE							-0.104	-0.082
76	ABDOMINAL EXT DPTH								-0.166
MULTIPLE CORRELATIONS		0.886	0.895	0.950	0.964	0.968	0.972	0.973	0.973
ST ERRORS OF ESTIMATE		2.796	2.682	1.883	1.597	1.509	1.423	1.395	1.384

EQUATIONS FOR ESTIMATING UPPER THIGH CIRCUMFERENCE NO. 45

	CONSTANT	28.283	52.749	20.279	18.928	16.269	21.797	26.076	23.494
2	WEIGHT	0.471	0.547	0.215	0.162	0.139	0.186	0.236	0.209
7	STATURE		-0.178	-0.111	-0.120	-0.102	-0.112	-0.128	-0.116
44	HIP C-9" BLW WAIST			0.428	0.422	0.276	0.260	0.254	0.233
78	THIGH CLEARANCE				0.518	0.620	0.615	0.580	0.554
69	THIGH-THIGH PR, SIT					0.359	0.365	0.351	0.344
65	CHEST BREADTH						-0.188	-0.182	-0.162
75	WAIST DEPTH							-0.188	-0.228
77	BUTTOCK DEPTH								0.232
MULTIPLE CORRELATIONS		0.840	0.867	0.909	0.915	0.922	0.923	0.925	0.926
ST ERRORS OF ESTIMATE		2.287	2.101	1.759	1.701	1.641	1.622	1.611	1.597

TABLE XXIX

STEPWISE MULTIPLE REGRESSION EQUATIONS (STATURE AND WEIGHT FORCED)

EQUATIONS FOR ESTIMATING KNEE CIRCUMFERENCE

NO. 46

	CONSTANT	22.041	25.621	14.023	-7.909	4.401	13.315	12.739	9.807
2	WEIGHT	0.247	0.258	0.157	0.093	0.077	0.145	0.139	0.114
7	STATURE		-0.026	-0.004	0.018	0.012	-0.004	0.002	0.010
47	CALF CIRCUM, RIGHT			0.406	0.376	0.349	0.318	0.295	0.269
45	UPPER THIGH CIRCUM				0.131	0.135	0.120	0.110	0.120
73	FEMORAL BREADTH, L					0.750	0.735	0.732	0.686
37	SHOULDER CIRCUMFER						-0.082	-0.075	-0.089
6	MEDIAL CALF SKINED							0.383	0.371
60	FOREARM C, RELAXED								0.222
MULTIPLE CORRELATIONS		0.819	0.822	0.862	0.870	0.879	0.884	0.887	0.890
ST ERRORS OF ESTIMATE		1.299	1.292	1.150	1.118	1.083	1.061	1.047	1.034

EQUATIONS FOR ESTIMATING CALF CIRCUMFERENCE, RIGHT

NO. 47

	CONSTANT	21.153	28.741	17.528	11.718	17.223	24.025	23.624	25.779
2	WEIGHT	0.225	0.248	0.169	0.104	0.162	0.217	0.213	0.237
7	STATURE		-0.055	-0.065	-0.055	-0.073	-0.087	-0.078	-0.084
49	ANKLE CIRCUMFERNCE			0.825	0.680	0.633	0.605	0.606	0.589
46	KNEE CIRCUMFERENCE				0.303	0.276	0.233	0.235	0.231
75	WAIST DEPTH					-0.233	-0.201	-0.196	-0.162
39	BUST CIRCUMFERENCE						-0.068	-0.065	-0.062
20	ANKLE HEIGHT							-0.114	-0.114
42	ABDOMINAL EXT CIRC								-0.034
MULTIPLE CORRELATIONS		0.752	0.763	0.853	0.868	0.874	0.879	0.881	0.883
ST ERRORS OF ESTIMATE		1.480	1.454	1.175	1.118	1.093	1.075	1.065	1.057

EQUATIONS FOR ESTIMATING CALF CIRCUMFERENCE, LEFT

NO. 48

	CONSTANT	21.126	28.285	17.241	28.493	22.147	25.958	25.492	25.364
2	WEIGHT	0.227	0.249	0.170	0.261	0.198	0.239	0.234	0.241
7	STATURE		-0.052	-0.062	-0.087	-0.075	-0.089	-0.078	0.020
49	ANKLE CIRCUMFERNCE			0.817	0.720	0.634	0.598	0.599	0.592
39	BUST CIRCUMFERENCE				-0.116	-0.094	-0.083	-0.080	-0.084
46	KNEE CIRCUMFERENCE					0.217	0.201	0.203	0.199
75	WAIST DEPTH						-0.209	-0.202	-0.199
20	ANKLE HEIGHT							-0.135	-0.120
9	CERVICAL HEIGHT								-0.113
MULTIPLE CORRELATIONS		0.747	0.756	0.843	0.857	0.854	0.869	0.873	0.874
ST ERRORS OF ESTIMATE		1.515	1.493	1.229	1.175	1.149	1.130	1.115	1.109

TABLE XXIX

STEPWISE MULTIPLE REGRESSION EQUATIONS (STATURE AND WEIGHT FORCED)

EQUATIONS FOR ESTIMATING ANKLE CIRCUMFERENCE

NO. 49

	CONSTANT	15.254	13.597	1.499	-2.580	-3.899	-3.930	-4.405	-3.750
2	WEIGHT	0.101	0.096	-0.008	-0.030	-0.045	-0.046	-0.049	-0.043
7	STATURE		0.012	0.035	0.024	0.025	0.013	-0.005	-0.008
47	GALF CIRCUM, RIGHT			0.421	0.395	0.356	0.353	0.354	0.341
62	WRIST CIRCUMFERENCE				0.536	0.520	0.477	0.463	0.459
46	KNEE CIRCUMFERENCE					0.099	0.100	0.101	0.102
94	FOOT LENGTH						0.114	0.133	0.135
25	MIDSHOULDER HT, SIT							0.055	0.060
1	AGE								-0.014
MULTIPLE CORRELATIONS		0.591	0.593	0.759	0.791	0.796	0.799	0.802	0.805
ST ERRORS OF ESTIMATE		1.040	1.038	0.839	0.790	0.782	0.777	0.771	0.766

EQUATIONS FOR ESTIMATING VERTICAL TRUNK CIRCUMFERENCE

NO. 50

	CONSTANT	112.915	69.056	25.387	25.425	17.940	15.391	14.252	16.039
2	WEIGHT	0.719	0.583	0.236	0.236	0.158	0.141	0.129	0.129
7	STATURE		0.319	-0.042	0.129	0.182	0.153	0.155	0.049
51	VERTICAL TRK C, SIT			0.826	0.767	0.751	0.736	0.723	0.700
16	BUTTOCK HEIGHT				-0.251	-0.278	-0.250	-0.235	-0.289
77	BUTTOCK DEPTH					0.379	0.407	0.431	0.444
86	ANTERIOR WAIST LTH						0.226	0.246	0.251
1	AGE							0.048	0.046
10	ACROMIAL HEIGHT								0.173
MULTIPLE CORRELATIONS		0.787	0.822	0.942	0.945	0.947	0.948	0.949	0.950
ST ERRORS OF ESTIMATE		4.238	3.917	2.301	2.246	2.216	2.187	2.168	2.155

EQUATIONS FOR ESTIMATING VERTICAL TRUNK CIRCUMFERENCE, SITTING

NO. 51

	CONSTANT	113.001	53.004	-1.875	4.369	-2.647	-10.096	-10.304	-10.946
2	WEIGHT	0.642	0.457	-0.006	0.060	0.006	-0.073	-0.071	-0.075
7	STATURE		0.436	0.184	0.064	0.083	0.103	0.125	0.074
50	VERTICAL TRUNK CIR			0.793	0.518	0.602	0.582	0.577	0.573
25	MIDSHOULDER HT, SIT				0.628	0.653	0.663	0.567	0.563
39	BUST CIRCUMFERENCE					0.090	0.102	0.106	0.108
52	BUTTOCK CIRC, SIT						0.102	0.103	0.106
27	ELBOW REST HEIGHT							0.106	0.130
35	OVERHEAD REACH								0.045
MULTIPLE CORRELATIONS		0.737	0.811	0.939	0.949	0.950	0.951	0.951	0.952
ST ERRORS OF ESTIMATE		4.432	3.838	2.255	2.062	2.042	2.028	2.021	2.012

TABLE XXIX

STEPWISE MULTIPLE REGRESSION EQUATIONS (STATURE AND WEIGHT FORCED)

EQUATIONS FOR ESTIMATING BUTTOCK CIRCUMFERENCE, SITTING

NO. 52

	CONSTANT	57.736	77.453	29.682	20.144	18.039	9.806	10.196	10.692
2	WEIGHT	0.732	0.792	0.303	0.224	0.214	0.126	0.130	0.125
7	STATURE		-0.143	-0.045	-0.026	-0.007	0.027	0.025	-0.038
44	HIP C-9" BLW WAIST			0.631	0.441	0.301	0.347	0.354	0.343
43	HIP C-7" BLW WAIST				0.311	0.304	0.260	0.260	0.272
69	THIGH-THIGH BR,SIT					0.356	0.377	0.348	0.359
75	WAIST DEPTH						0.396	0.359	0.358
1	AGE							0.033	0.033
13	WAIST HEIGHT								0.095
	MULTIPLE CORRELATIONS	0.904	0.912	0.953	0.957	0.960	0.963	0.963	0.964
	ST ERRORS OF ESTIMATE	2.604	2.501	1.842	1.759	1.700	1.651	1.639	1.631

EQUATIONS FOR ESTIMATING SCYE CIRCUMFERENCE

NO. 53

	CONSTANT	23.473	27.052	6.959	7.612	4.404	1.081	0.975	1.420
2	WEIGHT	0.236	0.247	0.058	0.044	0.033	0.009	0.009	0.009
7	STATURE		-0.026	0.061	-0.089	-0.097	-0.090	-0.092	-0.078
54	AXILLARY ARM CIRC			0.616	0.638	0.622	0.556	0.568	0.559
10	ACROMIAL HEIGHT				0.181	0.179	0.174	0.144	0.144
93	HAND CIRCUMFERENCE					0.319	0.304	0.297	0.293
38	CHEST CIRC AT SCYE						0.075	0.063	0.064
31	ACROMION-RADIAL L							0.154	0.220
87	SLEEVE INSFAM								-0.093
	MULTIPLE CORRELATIONS	0.776	0.778	0.846	0.855	0.862	0.866	0.869	0.871
	ST ERRORS OF ESTIMATE	1.443	1.437	1.221	1.189	1.163	1.147	1.136	1.127

EQUATIONS FOR ESTIMATING AXILLARY ARM CIRCUMFERENCE

NO. 54

	CONSTANT	13.178	32.466	11.801	7.206	2.143	1.528	1.210	0.752
2	WEIGHT	0.247	0.306	0.109	0.069	0.034	0.013	0.009	0.014
7	STATURE		-0.140	-0.043	-0.055	-0.047	-0.036	-0.028	0.047
55	BICEPS C,RELAXED,R			0.637	0.506	0.484	0.469	0.457	0.441
53	SCYE CIRCUMFERENCE				0.329	0.297	0.296	0.285	0.304
64	BIDELTOID BREADTH					0.180	0.172	0.165	0.160
5	SUPRAILLIAC SKINFOLD						0.406	0.291	0.288
4	SUBSCAPULAR SKINFOLD							0.424	0.428
10	ACROMIAL HEIGHT								-0.092
	MULTIPLE CORRELATIONS	0.793	0.850	0.904	0.924	0.929	0.934	0.936	0.938
	ST ERRORS OF ESTIMATE	1.424	1.233	1.002	0.896	0.865	0.837	0.826	0.814

TABLE XXIX

STEPWISE MULTIPLE REGRESSION EQUATIONS (STATURE AND WEIGHT FORCED)

EQUATIONS FOR ESTIMATING BICEPS CIRCUMFERENCE, RELAXED, RIGHT

NO. 55

	CONSTANT	11.467	32.516	5.121	2.525	1.804	1.954	2.041	2.964
2	WEIGHT	0.245	0.310	0.047	0.023	0.014	0.011	0.013	0.019
7	STATURE		-0.153	-0.031	-0.020	-0.016	-0.013	-0.005	-0.006
56	BICEPS C, FLEXED, R			0.851	0.760	0.646	0.631	0.626	0.628
54	AXILLARY ARM CIRC				0.169	0.152	0.141	0.138	0.152
58	BICEPS C, FLEXED, L					0.155	0.147	0.147	0.147
3	TRICEPS SKINFOLD						0.238	0.236	0.222
87	SLEEVE INSFAM							-0.029	-0.027
37	SHOULDER CIRCUMFER								-0.016
MULTIPLE CORRELATIONS		0.803	0.871	0.972	0.975	0.977	0.977	0.978	0.978
ST ERRORS OF ESTIMATE		1.368	1.127	0.538	0.507	0.494	0.486	0.484	0.482

EQUATIONS FOR ESTIMATING BICEPS CIRCUMFERENCE, FLEXED, RIGHT

NO. 56

	CONSTANT	12.476	32.135	2.733	1.039	-0.174	-0.674	-0.158	0.218
2	WEIGHT	0.248	0.309	0.028	0.016	0.003	0.001	0.001	0.003
7	STATURE		-0.143	-0.005	-0.007	-0.000	-0.006	-0.008	-0.011
55	BICEPS C, RELAXED, R			0.908	0.851	0.709	0.710	0.710	0.711
61	FOREARM C, FLEXED				0.167	0.167	0.151	0.135	0.091
57	BICEPS C, RELAXED, L					0.174	0.186	0.187	0.187
91	HAND LENGTH						0.090	0.082	0.077
125	GRIP STRENGTH							0.011	0.011
59	ELBOW CIRC, FLEXED								0.043
MULTIPLE CORRELATIONS		0.805	0.865	0.971	0.973	0.974	0.975	0.975	0.975
ST ERRORS OF ESTIMATE		1.373	1.164	0.555	0.537	0.523	0.519	0.516	0.514

EQUATIONS FOR ESTIMATING BICEPS CIRCUMFERENCE, RELAXED, LEFT

NO. 57

	CONSTANT	10.767	33.310	4.853	3.784	5.189	4.843	4.730	4.163
2	WEIGHT	0.253	0.328	0.049	0.140	0.044	0.042	0.039	0.033
7	STATURE		-0.164	-0.032	-0.028	-0.024	-0.018	-0.017	-0.016
58	BICEPS C, FLEXED, L			0.873	0.759	0.745	0.755	0.749	0.749
56	BICEPS C, FLEXED, R				0.148	0.173	0.186	0.169	0.146
93	HAND CIRCUMFERENCE					-0.141	-0.117	-0.100	-0.124
59	ELBOW CIRC, FLEXED						-0.058	-0.054	-0.066
3	TRICEPS SKINFOLD							0.168	0.165
60	FOREARM C, RELAXED								0.091
MULTIPLE CORRELATIONS		0.806	0.878	0.978	0.979	0.980	0.980	0.980	0.981
ST ERRORS OF ESTIMATE		1.425	1.155	0.508	0.497	0.485	0.479	0.475	0.471

TABLE XXIX

STEPWISE MULTIPLE REGRESSION EQUATIONS (STATURE AND WEIGHT FORCED)

EQUATIONS FOR ESTIMATING BICEPS CIRCUMFERENCE, FLEXED, LEFT

NO. 58

	CONSTANT	11.816	32.598	1.740	1.347	0.524	-0.124	-0.115	0.429
2	WEIGHT	0.255	0.319	0.316	0.012	0.006	0.003	0.004	0.005
7	STATURE		-0.151	0.001	-0.008	-0.004	-0.005	-0.005	-0.005
57	BICEPS C, RELAXED, L			0.924	0.899	0.806	0.817	0.811	0.810
59	ELBOW CIRC, FLEXED				0.101	0.092	0.082	0.083	0.083
55	BICEPS C, RELAXED, R					0.123	0.113	0.112	0.112
93	HAND CIRCUMFERENCE						0.067	0.064	0.065
1	AGE							0.006	0.007
114	BIAURICULAR BROT								-0.039
	MULTIPLE CORRELATIONS	0.805	0.867	0.975	0.978	0.978	0.978	0.979	0.979
	ST ERRORS OF ESTIMATE	1.414	1.188	0.522	0.503	0.496	0.494	0.492	0.491

EQUATIONS FOR ESTIMATING ELBOW CIRCUMFERENCE, FLEXED

NO. 59

	CONSTANT	19.125	13.089	-8.297	-5.299	-2.666	-2.893	-4.805	-3.253
2	WEIGHT	0.136	0.117	-0.059	-0.035	-0.013	-0.015	-0.036	-0.020
7	STATURE		0.044	0.083	0.076	0.071	0.053	0.064	0.054
61	FOREARM C, FLEXED			1.010	1.349	1.364	1.360	1.333	1.297
60	FOREARM C, RELAXED				-0.499	-0.478	-0.474	-0.501	-0.454
47	CALF CIRCUM, RIGHT					-0.116	-0.108	-0.103	-0.105
32	RADIAL-STYLION L						0.128	0.133	0.126
58	BICEPS C, FLEXED, L							0.089	0.375
57	BICEPS C, RELAXED, L								-0.328
	MULTIPLE CORRELATIONS	0.572	0.586	0.789	0.800	0.805	0.808	0.810	0.815
	ST ERRORS OF ESTIMATE	1.462	1.445	1.097	1.072	1.059	1.051	1.047	1.034

EQUATIONS FOR ESTIMATING FOREARM CIRCUMFERENCE, RELAXED

NO. 60

	CONSTANT	14.932	20.272	5.945	5.080	2.759	2.032	1.755	2.990
2	WEIGHT	0.148	0.165	0.045	0.044	0.020	0.016	0.016	0.026
7	STATURE		-0.039	-0.013	-0.019	-0.006	0.001	-0.003	-0.006
61	FOREARM C, FLEXED			0.680	0.627	0.570	0.661	0.644	0.639
62	WRIST CIRCUMFERENCE				0.219	0.243	0.245	0.195	0.177
55	BICEPS C, RELAXED, R					0.104	0.102	0.102	0.105
59	ELBOW CIRC, FLEXED						-0.090	-0.090	-0.092
70	HUMERAL BREADTH, R							0.342	0.342
69	THIGH-THIGH BR, SIT								-0.025
	MULTIPLE CORRELATIONS	0.808	0.820	0.941	0.944	0.947	0.950	0.951	0.952
	ST ERRORS OF ESTIMATE	0.813	0.789	0.468	0.456	0.443	0.433	0.425	0.424

TABLE XXIX

STEPWISE MULTIPLE REGRESSION EQUATIONS (STATURE AND WEIGHT FORCED)

EQUATIONS FOR ESTIMATING FOREARM CIRCUMFERENCE, FLEXED

NO. 61

	CONSTANT	15.911	21.089	1.806	2.480	1.524	0.740	0.028	-0.181
2	WEIGHT	0.157	0.174	0.017	0.020	0.012	0.002	0.001	0.001
7	STATURE		-0.338	-0.031	-0.019	-0.018	-0.012	-0.012	-0.013
60	FOREARM C, RELAXED			0.952	0.761	0.747	0.717	0.713	0.697
59	ELBOW CIRC, FLEXED				0.243	0.245	0.241	0.240	0.237
48	CALF CIRCUM, LEFT					0.041	0.043	0.044	0.044
56	BICEPS C, FLEXED, R						0.047	0.049	0.051
113	BIOCULAR BREADTH							0.083	0.074
93	HAND CIRCUMFERENCE								0.047
	MULTIPLE CORRELATIONS	0.779	0.790	0.931	0.954	0.955	0.956	0.956	0.956
	ST ERRORS OF ESTIMATE	0.952	0.933	0.554	0.454	0.453	0.448	0.446	0.445

EQUATIONS FOR ESTIMATING WRIST CIRCUMFERENCE

NO. 62

	CONSTANT	11.441	8.985	4.237	1.120	0.581	2.290	2.260	2.280
2	WEIGHT	0.061	0.053	0.033	0.005	0.000	0.018	0.018	0.017
7	STATURE		0.018	0.010	0.019	0.017	0.012	0.008	0.003
93	HAND CIRCUMFERENCE			0.393	0.318	0.299	0.286	0.266	0.247
60	FOREARM C, RELAXED				0.198	0.173	0.167	0.144	0.145
49	ANKLE CIRCUMFERENCE					0.099	0.104	0.100	0.101
45	UPPER THIGH CIRCUM						-0.030	-0.029	-0.027
70	HUMERAL BREADTH, R							0.263	0.238
91	HAND LENGTH								0.065
	MULTIPLE CORRELATIONS	0.646	0.658	0.787	0.813	0.825	0.829	0.833	0.836
	ST ERRORS OF ESTIMATE	0.544	0.536	0.439	0.415	0.413	0.398	0.394	0.392

EQUATIONS FOR ESTIMATING BIACROMIAL BREADTH

NO. 63

	CONSTANT	29.608	19.564	15.292	1.289	0.825	1.603	3.020	1.763
2	WEIGHT	0.108	0.077	0.065	-0.042	-0.045	-0.026	-0.016	-0.023
7	STATURE		0.073	0.032	0.065	0.030	0.024	0.024	0.020
79	SHOULDER LENGTH			0.792	0.664	0.615	0.603	0.633	0.674
64	BIACROMIAL BREADTH				0.399	0.373	0.385	0.388	0.362
90	SPINE-TO-WRIST LTH					0.102	0.094	0.088	0.088
5	SUPRAILLIAC SKINFOLD						-0.300	-0.270	-0.255
80	NECK-TO-POINT L							-0.084	-0.285
81	STRAP LENGTH								0.121
	MULTIPLE CORRELATIONS	0.495	0.545	0.711	0.780	0.790	0.796	0.800	0.808
	ST ERRORS OF ESTIMATE	1.425	1.375	1.153	1.027	1.007	0.994	0.986	0.969

TABLE XXIX

STEPWISE MULTIPLE REGRESSION EQUATIONS (STATURE AND WEIGHT FORCED)

EQUATIONS FOR ESTIMATING BIELTOID BREADTH

NO. 64

	CONSTANT	27.729	36.753	9.070	8.887	5.651	4.918	2.075	1.770
2	WEIGHT	0.245	0.274	0.071	0.087	0.051	0.042	0.013	0.013
7	STATURE		-0.066	-0.023	-0.049	-0.030	-0.027	-0.018	-0.016
37	SHOULDER CIRCUMFER			0.323	0.268	0.236	0.207	0.208	0.194
63	BIACROMIAL BREADTH				0.251	0.269	0.264	0.271	0.266
54	AXILLARY ARM CIRC					0.175	0.184	0.182	0.191
65	CHEST BREADTH						0.129	0.140	0.126
77	BUTTOCK DEPTH							0.116	0.114
82	INTERSCYE								0.050
	MULTIPLE CORRELATIONS	0.798	0.811	0.897	0.907	0.911	0.914	0.915	0.916
	ST ERRORS OF ESTIMATE	1.394	1.353	1.022	0.974	0.953	0.941	0.934	0.930

EQUATIONS FOR ESTIMATING CHEST BREADTH

NO. 65

	CONSTANT	17.718	23.487	7.142	3.528	-0.751	-1.195	-0.871	-1.021
2	WEIGHT	0.178	0.196	0.057	0.030	0.001	0.003	0.005	0.003
7	STATURE		-0.042	-0.008	0.001	0.008	0.008	0.033	0.022
38	CHEST CIRC AT SCYE			0.217	0.155	0.106	0.090	0.090	0.088
40	CHEST C BELOW BUST				0.128	0.124	0.120	0.122	0.123
64	BIELTOID BREADTH					0.221	0.180	0.181	0.178
82	INTERSCYE						0.105	0.111	0.116
33	THUMB-TIP REACH							-0.066	-0.083
34	THUMB-TIP, EXTENDED								0.040
	MULTIPLE CORRELATIONS	0.701	0.710	0.779	0.798	0.809	0.815	0.822	0.825
	ST ERRORS OF ESTIMATE	1.366	1.349	1.200	1.156	1.126	1.110	1.093	1.084

EQUATIONS FOR ESTIMATING BUSTPOINT-TO-BUSTPOINT BREADTH

NO. 66

	CONSTANT	11.546	16.516	0.112	2.659	3.891	4.493	4.216	5.525
2	WEIGHT	0.121	0.136	0.001	0.021	0.028	0.032	0.027	0.042
7	STATURE		-0.036	0.007	0.004	0.003	0.022	0.023	0.017
39	BUST CIRCUMFERENCE			0.192	0.251	0.259	0.257	0.230	0.232
38	CHEST CIRC AT SCYE				-0.101	-0.089	-0.088	-0.082	-0.084
84	BACK CURVATURE					-0.075	-0.073	-0.072	-0.070
25	MIDSHOULDER HT, SIT.						-0.068	-0.065	-0.067
74	CHEST DEPTH							0.089	0.100
76	ABDOMINAL EXT DPTH								-0.069
	MULTIPLE CORRELATIONS	0.586	0.598	0.720	0.734	0.742	0.747	0.748	0.750
	ST ERRORS OF ESTIMATE	1.254	1.241	1.074	1.052	1.038	1.031	1.028	1.026

TABLE XXIX

STEPWISE MULTIPLE REGRESSION EQUATIONS (STATURE AND WEIGHT FORCED)

EQUATIONS FOR ESTIMATING WAIST BREADTH

NO. 67

	CONSTANT	12.754	17.666	-0.146	0.973	-0.383	0.403	0.211	0.592
2	WEIGHT	0.197	0.213	0.012	0.022	0.014	0.021	0.020	0.017
7	STATURE		-0.036	0.024	0.017	0.019	0.024	0.009	-0.043
41	WAIST CIRCUMFERENCE			0.293	0.333	0.326	0.317	0.317	0.322
75	WAIST DEPTH				-0.191	-0.192	-0.179	-0.180	-0.188
84	BACK CURVATURE					0.047	0.048	0.045	0.046
26	WAIST HGHT, SITTING						-0.071	-0.099	-0.122
25	MIDSHOULDER HT, SIT							0.060	0.091
13	WAIST HEIGHT								0.067
	MULTIPLE CORRELATIONS	0.768	0.773	0.891	0.895	0.897	0.898	0.900	0.902
	ST ERRORS OF ESTIMATE	1.241	1.228	0.881	0.865	0.858	0.851	0.846	0.839

EQUATIONS FOR ESTIMATING HIP BREADTH

NO. 68

	CONSTANT	21.863	26.300	-2.012	-4.379	-2.490	-2.285	-4.447	-5.386
2	WEIGHT	0.227	0.240	-0.048	-0.061	-0.040	-0.037	-0.054	-0.061
7	STATURE		-0.032	0.025	0.046	0.037	0.036	0.040	0.037
44	HIP C-9" BLW WAIST			0.373	0.229	0.242	0.240	0.240	0.239
69	THIGH-THIGH BR, SIT				0.356	0.357	0.367	0.371	0.376
77	BUTTOCK DEPTH					-0.138	-0.144	-0.145	-0.137
1	AGE						-0.012	-0.013	-0.013
64	BIDELTOID BREADTH							0.057	0.056
70	HUMERAL BREADTH, R								0.262
	MULTIPLE CORRELATIONS	0.770	0.774	0.896	0.919	0.921	0.921	0.922	0.923
	ST ERRORS OF ESTIMATE	1.413	1.404	0.986	0.875	0.865	0.862	0.859	0.857

EQUATIONS FOR ESTIMATING THIGH-TO-THIGH BREADTH, SITTING

NO. 69

	CONSTANT	20.985	37.226	15.021	5.082	0.297	0.851	4.976	8.912
2	WEIGHT	0.298	0.348	0.145	0.037	-0.014	0.015	0.045	0.090
7	STATURE		-0.118	-0.091	-0.070	-0.047	-0.038	-0.036	-0.048
68	HIP BREADTH			0.845	0.664	0.584	0.575	0.572	0.552
52	BUTTOCK CIRC, SIT				0.191	0.173	0.157	0.148	0.159
45	UPPER THIGH CIRCUM					0.155	0.195	0.181	0.169
78	THIGH CLEARANCE						-0.321	-0.309	-0.333
62	WRIST CIRCUMFERENCE							-0.304	-0.317
41	WAIST CIRCUMFERENCE								-0.057
	MULTIPLE CORRELATIONS	0.783	0.811	0.911	0.921	0.927	0.932	0.933	0.935
	ST ERRORS OF ESTIMATE	1.779	1.675	1.183	1.113	1.074	1.040	1.028	1.016

TABLE XXIX

STEPWISE MULTIPLE REGRESSION EQUATIONS (STATURE AND WEIGHT FORCED)

EQUATIONS FOR ESTIMATING HUMERAL BREADTH, RIGHT

NO. 70

	CONSTANT	4.863	2.940	1.266	0.108	-0.399	-0.600	-0.285	-0.815
2	WEIGHT	0.022	0.016	0.006	-0.004	-0.007	-0.007	-0.003	-0.006
7	STATURE		0.014	0.011	0.015	0.014	0.013	0.011	0.012
62	WRIST CIRCUMFERENCE			0.183	0.127	0.197	0.078	0.078	0.077
60	FOREARM C, RELAXED				0.082	0.080	0.077	0.077	0.078
73	FEMORAL BREADTH, L					0.146	0.143	0.140	0.143
92	HAND BREADTH						0.118	0.104	0.102
4	SURSCAPULAR SKINFOLD							-0.071	-0.083
39	BUST CIRCUMFERENCE								0.006
	MULTIPLE CORRELATIONS	0.538	0.588	0.559	0.594	0.716	0.726	0.731	0.733
	ST ERRORS OF ESTIMATE	0.259	0.248	0.228	0.221	0.214	0.211	0.210	0.209

EQUATIONS FOR ESTIMATING HUMERAL BREADTH, LEFT

NO. 71

	CONSTANT	4.931	2.908	1.323	0.229	-0.233	-0.403	-0.121	-0.526
2	WEIGHT	0.022	0.016	0.006	-0.004	-0.006	-0.006	-0.001	-0.005
7	STATURE		0.014	0.011	0.015	0.014	0.013	0.011	0.013
62	WRIST CIRCUMFERENCE			0.177	0.123	0.106	0.078	0.079	0.084
60	FOREARM C, RELAXED				0.078	0.077	0.074	0.073	0.061
73	FEMORAL BREADTH, L					0.125	0.122	0.119	0.120
92	HAND BREADTH						0.112	0.097	0.099
4	SURSCAPULAR SKINFOLD							-0.078	-0.085
58	BICEPS C, FLEXED, L								0.019
	MULTIPLE CORRELATIONS	0.544	0.594	0.572	0.596	0.712	0.721	0.727	0.730
	ST ERRORS OF ESTIMATE	0.253	0.243	0.223	0.217	0.212	0.209	0.207	0.206

EQUATIONS FOR ESTIMATING FEMORAL BREADTH, RIGHT

NO. 72

	CONSTANT	6.442	5.319	3.947	2.276	3.576	3.574	2.658	1.711
2	WEIGHT	0.029	0.026	0.019	0.001	0.014	0.010	0.006	-0.002
7	STATURE		0.008	0.002	0.004	0.000	-0.001	0.000	0.002
70	HUMERAL BREADTH, R			0.448	0.411	0.375	0.367	0.353	0.347
46	KNEE CIRCUMFERENCE				0.072	0.075	0.069	0.069	0.076
77	RUTTOCK DEPTH					-0.061	-0.065	-0.057	-0.052
78	THIGH CLEARANCE						0.060	0.058	0.057
117	BIGONIAL BREADTH							0.091	0.090
65	CHEST BREADTH								0.028
	MULTIPLE CORRELATIONS	0.487	0.496	0.554	0.590	0.605	0.615	0.624	0.629
	ST ERRORS OF ESTIMATE	0.394	0.392	0.376	0.365	0.360	0.356	0.353	0.351

TABLE XXIX
STEPWISE MULTIPLE REGRESSION EQUATIONS (STATURE AND WEIGHT FORCED)

EQUATIONS FOR ESTIMATING FEMORAL BREADTH, LEFT

NO. 73

	CONSTANT	5.408	5.446	4.075	2.506	1.457	2.547	2.606	1.820
2	WEIGHT	0.030	0.027	0.020	0.002	-0.001	0.010	0.007	-0.000
7	STATURE		0.007	0.001	0.003	0.004	0.001	-0.000	0.001
70	HUMERAL BREADTH, R			0.448	0.412	0.388	0.363	0.357	0.351
46	KNEE CIRCUMFERENCE				0.069	0.070	0.072	0.067	0.074
117	BIGONIAL BREADTH					0.115	0.101	0.098	0.097
77	BUTTOCK DEPTH						-0.048	-0.052	-0.047
78	THIGH CLEARANCE							0.049	0.048
65	CHEST BREADTH								0.026
MULTIPLE CORRELATIONS		0.515	0.522	0.580	0.515	0.630	0.639	0.646	0.651
ST ERRORS OF ESTIMATE		0.375	0.374	0.357	0.346	0.340	0.337	0.335	0.333

EQUATIONS FOR ESTIMATING CHEST DEPTH

NO. 74

	CONSTANT	12.616	23.088	0.987	5.265	5.352	9.703	9.917	8.931
2	WEIGHT	0.191	0.223	0.042	0.072	0.075	0.112	0.107	0.101
7	STATURE		-0.076	-0.018	-0.025	-0.024	-0.033	-0.034	-0.095
39	BUST CIRCUMFERENCE			0.258	0.276	0.291	0.276	0.261	0.254
64	BIDELTOID BREADTH				-0.155	-0.117	-0.124	-0.123	-0.120
65	CHEST BREADTH					-0.120	-0.124	-0.114	-0.113
47	CALF CIRCUM, RIGHT						-0.096	-0.091	-0.082
80	NECK-BUST POINT L							0.082	0.146
12	BUSTPOINT HEIGHT								0.074
MULTIPLE CORRELATIONS		0.744	0.770	0.883	0.890	0.893	0.895	0.897	0.899
ST ERRORS OF ESTIMATE		1.291	1.232	0.906	0.883	0.872	0.863	0.855	0.848

EQUATIONS FOR ESTIMATING WAIST DEPTH

NO. 75

	CONSTANT	7.546	18.285	5.745	0.092	3.640	3.973	2.728	3.405
2	WEIGHT	0.164	0.197	0.047	-0.014	0.018	0.022	0.010	0.015
7	STATURE		-0.078	-0.019	-0.004	-0.010	-0.009	-0.007	-0.012
76	ABDOMINAL EXT DPTH			0.557	0.423	0.434	0.420	0.410	0.408
41	WAIST CIRCUMFERENCE				0.142	0.148	0.181	0.186	0.178
43	HIP C-7" BLW WAIST					-0.054	-0.055	-0.080	-0.071
67	WAIST BREADTH						-0.106	-0.109	-0.106
52	BUTTOCK CIRC, SIT							0.039	0.057
69	THIGH-THIGH BR, SIT								-0.060
MULTIPLE CORRELATIONS		0.736	0.773	0.868	0.898	0.901	0.902	0.904	0.905
ST ERRORS OF ESTIMATE		1.131	1.061	0.832	0.738	0.727	0.721	0.717	0.713

TABLE XXIX

STEPWISE MULTIPLE REGRESSION EQUATIONS (STATURE AND WEIGHT FORCED)

EQUATIONS FOR ESTIMATING ABDOMINAL EXTENSION DEPTH

NO. 76

CONSTANT	8.016	22.439	9.780	5.246	3.466	0.899	1.401	3.710
2 WEIGHT	0.227	0.268	0.132	0.081	0.057	0.032	0.044	0.068
7 STATURE		-0.105	-0.051	-0.036	-0.069	-0.050	-0.048	-0.053
75 WAIST DEPTH			0.691	0.595	0.591	0.577	0.563	0.537
42 ABDOMINAL EXT CIRC				0.078	0.083	0.080	0.078	0.082
30 BUTTOCK-KNEE LGTH					0.142	0.109	0.104	0.108
77 BUTTOCK DEPTH						0.157	0.152	0.179
125 GRIP STRENGTH							-0.024	-0.026
44 HIP C-9" BLW WAIST								-0.037
MULTIPLE CORRELATIONS	0.791	0.830	0.900	0.911	0.916	0.919	0.921	0.922
ST ERRORS OF ESTIMATE	1.295	1.181	0.926	0.874	0.850	0.838	0.829	0.824

EQUATIONS FOR ESTIMATING BUTTOCK DEPTH

NO. 77

CONSTANT	10.126	20.969	19.013	10.799	7.199	5.192	2.556	6.345
2 WEIGHT	0.191	0.225	0.196	0.118	0.087	0.061	0.032	0.047
7 STATURE		-0.079	-0.131	-0.109	-0.143	-0.125	-0.108	-0.106
30 BUTTOCK-KNEE LGTH			0.210	0.190	0.244	0.227	0.215	0.207
43 HIP C-7" BLW WAIST				0.110	0.096	0.088	0.057	0.056
50 VERTICAL TRUNK CIRC					0.059	0.056	0.055	0.049
76 ABDOMINAL EXT DPTH						0.133	0.161	0.154
45 UPPER THIGH CIRCUM							0.085	0.082
116 BIZYGOMATIC BROTH								-0.247
MULTIPLE CORRELATIONS	0.805	0.836	0.853	0.865	0.873	0.878	0.882	0.885
ST ERRORS OF ESTIMATE	1.063	0.983	0.936	0.899	0.873	0.859	0.844	0.834

EQUATIONS FOR ESTIMATING THIGH CLEARANCE

NO. 78

CONSTANT	5.566	3.539	4.522	-0.274	1.689	2.477	0.477	3.736
2 WEIGHT	0.119	0.112	0.120	0.071	0.087	0.083	0.073	0.109
7 STATURE		0.015	0.011	0.027	0.022	-0.017	-0.020	-0.030
1 AGE			-0.034	-0.030	-0.023	-0.020	-0.020	-0.019
45 UPPER THIGH CIRCUM				0.089	0.145	0.144	0.144	0.136
69 THIGH-THIGH BR, SIT					-0.140	-0.126	-0.124	-0.132
19 CROTCH HEIGHT						0.070	0.070	0.070
72 FEMORAL BREADTH, R							0.368	0.339
41 WAIST CIRCUMFERENCE								-0.041
MULTIPLE CORRELATIONS	0.714	0.716	0.736	0.750	0.767	0.776	0.784	0.790
ST ERRORS OF ESTIMATE	0.877	0.874	0.849	0.829	0.804	0.791	0.778	0.770

TABLE XXIX

STEPWISE MULTIPLE REGRESSION EQUATIONS (STATURE AND WEIGHT FORCED)

EQUATIONS FOR ESTIMATING SHOULDER LENGTH

NO. 79

	CONSTANT	12.525	5.365	-2.025	-2.715	-2.045	-4.062	-2.036	-2.556
2	WEIGHT	0.037	0.015	-0.014	-0.006	-0.006	-0.022	-0.008	-0.014
7	STATURE		0.052	0.025	0.147	0.049	0.038	0.068	0.041
63	BIACROMIAL BREADTH			0.375	0.352	0.342	0.345	0.362	0.352
10	ACROMIAL HEIGHT				-0.142	-0.206	-0.194	-0.204	-0.246
9	CERVICAL HEIGHT					0.183	0.176	0.150	0.134
80	NECK-BUST POINT L						0.100	0.326	0.368
81	STRAP LENGTH							-0.140	-0.122
12	BUSTPOINT HEIGHT								0.094
	MULTIPLE CORRELATIONS	0.273	0.377	0.630	0.565	0.690	0.706	0.737	0.746
	ST ERRORS OF ESTIMATE	0.983	0.946	0.794	0.764	0.740	0.724	0.691	0.682

EQUATIONS FOR ESTIMATING NECK-TO-BUSTPOINT LENGTH

NO. 80

	CONSTANT	17.181	19.695	-1.967	-2.762	0.153	0.627	1.674	-1.235
2	WEIGHT	0.144	0.151	-0.004	-0.005	0.007	0.017	0.013	-0.011
7	STATURE		-0.018	-0.007	-0.018	-0.012	0.066	-0.021	0.009
81	STRAP LENGTH			0.442	0.437	0.439	0.398	0.373	0.339
79	SHOULDER LENGTH				0.202	0.355	0.343	0.424	0.434
63	BIACROMIAL BREADTH					-0.194	-0.183	-0.179	-0.160
12	BUSTPOINT HEIGHT						-0.095	-0.183	-0.212
10	ACROMIAL HEIGHT							0.182	0.187
74	CHEST DEPTH								0.152
	MULTIPLE CORRELATIONS	0.573	0.574	0.901	0.906	0.914	0.917	0.925	0.929
	ST ERRORS OF ESTIMATE	1.550	1.548	0.821	0.799	0.767	0.754	0.719	0.699

EQUATIONS FOR ESTIMATING STRAP LENGTH

NO. 81

	CONSTANT	45.534	48.685	16.757	17.283	10.758	4.199	4.365	3.317
2	WEIGHT	0.341	0.351	0.105	0.129	0.097	0.043	0.030	0.024
7	STATURE		-0.023	0.006	0.236	0.232	0.285	0.133	0.127
80	NECK-BUST POINT L			1.625	1.401	1.404	1.292	1.199	1.214
12	BUSTPOINT HEIGHT				-0.283	-0.279	-0.318	-0.463	-0.454
36	NECK CIRCUMFERENCE					0.251	0.228	0.255	0.283
39	BUST CIRCUMFERENCE						0.104	0.113	0.113
11	SUPRASTERNAL HEIGHT							0.326	0.337
20	ANKLE HEIGHT								-0.132
	MULTIPLE CORRELATIONS	0.655	0.655	0.916	0.923	0.927	0.930	0.934	0.935
	ST ERRORS OF ESTIMATE	2.967	2.966	1.574	1.515	1.476	1.444	1.408	1.399

TABLE XXIX

STEPWISE MULTIPLE REGRESSION EQUATIONS (STATURE AND WEIGHT FORCED)

EQUATIONS FOR ESTIMATING INTERSCYE CURVATURE

NO. 82

	CONSTANT	25.069	32.657	3.891	1.649	1.107	-0.742	2.388	1.400
2	WEIGHT	0.173	0.196	-0.013	-0.010	-0.019	-0.034	-0.001	-0.007
7	STATURE		-0.055	-0.010	-0.025	-0.035	-0.030	-0.049	-0.047
37	SHOULDER CIRCUMFER			0.334	0.263	0.234	0.200	0.227	0.179
88	SPINE-TO-SCYE LGTH				0.571	0.465	0.442	0.433	0.429
83	INTERSCYE, MAXIMUM					0.157	0.153	0.154	0.146
84	BACK CURVATURE						0.142	0.136	0.136
54	AXILLARY ARM CIRC							-0.156	-0.181
64	BIDELTOID BREADTH								0.167
	MULTIPLE CORRELATIONS	0.534	0.546	0.663	0.718	0.736	0.747	0.751	0.754
	ST ERRORS OF ESTIMATE	2.064	2.046	1.828	1.701	1.655	1.624	1.614	1.606

EQUATIONS FOR ESTIMATING INTERSCYE CURVATURE, MAXIMUM

NO. 83

	CONSTANT	35.476	29.383	12.224	9.234	9.891	3.292	5.395	3.988
2	WEIGHT	0.241	0.223	0.120	0.109	0.113	0.056	0.059	0.062
7	STATURE		0.044	0.073	0.061	0.038	0.055	0.064	0.136
82	INTERSCYE			0.525	0.394	0.377	0.329	0.338	0.337
88	SPINE-TO-SCYE LGTH				0.499	0.498	0.464	0.454	0.431
20	ANKLE HEIGHT					0.309	0.293	0.305	0.304
38	CHEST CIRC AT SCYE						0.115	0.112	0.111
100	ECTOANTHUS-TOP HD							-0.317	-0.310
15	TROCHANTERIC HGHT								-0.120
	MULTIPLE CORRELATIONS	0.553	0.557	0.646	0.667	0.678	0.684	0.689	0.694
	ST ERRORS OF ESTIMATE	2.740	2.731	2.512	2.452	2.420	2.402	2.385	2.371

EQUATIONS FOR ESTIMATING BACK CURVATURE

NO. 84

	CONSTANT	27.943	36.492	18.110	11.164	9.500	10.891	10.430	9.694
2	WEIGHT	0.246	0.272	0.112	0.079	0.062	0.065	0.062	0.056
7	STATURE		-0.062	-0.020	-0.010	-0.008	0.009	0.025	-0.009
40	CHEST G BELOW BUST			0.280	0.232	0.187	0.180	0.185	0.182
82	INTERSCYE				0.308	0.262	0.284	0.297	0.275
65	CHEST BREADTH					0.260	0.269	0.255	0.241
79	SHOULDER LENGTH						-0.329	-0.326	-0.407
20	ANKLE HEIGHT							-0.218	-0.223
89	SPINE-TO-ELBOW LTH								0.173
	MULTIPLE CORRELATIONS	0.606	0.615	0.669	0.699	0.706	0.713	0.719	0.724
	ST ERRORS OF ESTIMATE	2.428	2.408	2.270	2.186	2.165	2.144	2.126	2.109

TABLE XXIX

STEPWISE MULTIPLE REGRESSION EQUATIONS (STATURE AND WEIGHT FORCED)

EQUATIONS FOR ESTIMATING WAIST GACK

NO. 85

	CONSTANT	35.431	5.195	0.905	2.787	-0.425	0.058	0.567	0.855
2	WEIGHT	0.088	-0.006	-0.002	-0.015	-0.025	-0.010	-0.014	-0.011
7	STATURE		0.220	0.533	0.001	-0.206	-0.355	-0.315	-0.272
13	WAIST HEIGHT			-0.417	-0.594	-0.465	-0.303	-0.285	-0.251
9	CERVICAL HEIGHT				0.704	0.725	0.707	0.648	0.679
23	SITTING HEIGHT					0.251	0.468	0.349	0.293
26	WAIST HGHT, SITTING						-0.407	-0.433	-0.434
25	MIDSHOULDER HT, SIT							0.180	0.169
16	BUTTOCK HEIGHT								-0.118
	MULTIPLE CORRELATIONS	0.298	0.586	0.679	0.760	0.781	0.815	0.821	0.825
	ST ERRORS OF ESTIMATE	2.116	1.797	1.628	1.443	1.385	1.285	1.268	1.254

EQUATIONS FOR ESTIMATING ANTERIOR WAIST LENGTH

NO. 86

	CONSTANT	26.707	13.351	7.744	9.491	2.874	2.491	1.475	1.028
2	WEIGHT	0.119	0.078	0.083	0.060	0.004	-0.006	-0.019	-0.019
7	STATURE		0.097	0.462	0.014	0.027	0.037	0.023	0.020
13	WAIST HEIGHT			-0.537	-0.745	-0.742	-0.744	-0.727	-0.722
11	SUPRASTERNAL HEIGHT				0.705	0.707	0.705	0.697	0.693
39	BUST CIRCUMFERENCE					0.080	0.073	0.069	0.075
5	SUPRAILIAC SKINFOLD						0.219	0.239	0.197
50	VERTICAL TRUNK CIR							0.024	0.030
1	AGE								-0.018
	MULTIPLE CORRELATIONS	0.459	0.523	0.725	0.823	0.834	0.836	0.837	0.839
	ST ERRORS OF ESTIMATE	1.739	1.668	1.348	1.111	1.081	1.075	1.071	1.067

EQUATIONS FOR ESTIMATING SLEEVE INSEAM

NO. 87

	CONSTANT	38.758	-3.978	-12.596	-9.375	-6.241	-3.660	-4.388	-0.775
2	WEIGHT	0.093	-0.040	-0.091	-0.079	-0.064	-0.060	-0.062	-0.028
7	STATURE		0.311	0.129	0.086	0.071	0.018	0.012	0.007
90	SPINE-TO-WRIST LTH			0.516	0.359	0.458	0.420	0.388	0.395
32	RADIAL-STYLION L				0.665	0.551	0.484	0.450	0.452
88	SPINE-TO-SCYE LGTH					-0.333	-0.303	-0.297	-0.291
19	GROUCH HEIGHT						0.131	0.117	0.113
33	THUMB-TIP REACH							0.082	0.084
53	SCYE CIRCUMFERENCE								-0.144
	MULTIPLE CORRELATIONS	0.288	0.715	0.841	0.876	0.889	0.895	0.900	0.904
	ST ERRORS OF ESTIMATE	2.313	1.689	1.308	1.165	1.106	1.078	1.056	1.036

TABLE XXIX

STEPWISE MULTIPLE REGRESSION EQUATIONS (STATURE AND WEIGHT FORCED)

EQUATIONS FOR ESTIMATING SPINE-TO-SCYE LENGTH (SLEEVE LENGTH SEGMENT)									NO. 88
	CONSTANT	15.863	14.531	10.024	3.728	2.391	2.192	1.529	0.692
2	WEIGHT	0.078	0.073	0.042	0.006	-0.007	-0.003	-0.011	-0.015
7	STATURE		0.010	-0.062	-0.037	0.003	0.018	0.014	0.008
89	SPINE-TO-ELBOW LTH			0.337	0.278	0.362	0.406	0.390	0.246
82	INTERSCYE				0.213	0.199	0.188	0.156	0.155
87	SLEEVE INSEAM					-0.190	-0.142	-0.144	-0.208
31	ACROMION-RADIAL L						-0.211	-0.194	-0.200
83	INTERSCYE, MAXIMUM							0.067	0.066
90	SPINE-TO-WRIST LTH								0.161
MULTIPLE CORRELATIONS		0.430	0.431	0.598	0.674	0.707	0.722	0.733	0.739
ST ERRORS OF ESTIMATE		1.226	1.225	1.089	1.003	0.960	0.940	0.925	0.916

EQUATIONS FOR ESTIMATING SPINE-TO-ELBOW LENGTH (SLEEVE LENGTH SEGMENT)									NO. 89
	CONSTANT	42.810	13.802	2.110	-0.342	-1.438	-2.030	-1.986	-2.365
2	WEIGHT	0.182	0.092	0.023	0.014	0.008	0.010	0.011	0.010
7	STATURE		0.211	-0.034	-0.001	0.004	0.064	0.071	0.080
90	SPINE-TO-WRIST LTH			0.696	0.816	0.778	0.781	0.735	0.737
32	RADIAL-STYLELION L				-0.510	-0.466	-0.448	-0.440	-0.417
88	SPINE-TO-SCYE LGTH					0.129	0.128	0.163	0.161
10	ACROMIAL HEIGHT						-0.075	-0.098	-0.082
31	ACROMION-RADIAL L							0.147	0.168
16	BUTTOCK HEIGHT								-0.054
MULTIPLE CORRELATIONS		0.569	0.722	0.938	0.957	0.959	0.960	0.961	0.962
ST ERRORS OF ESTIMATE		1.979	1.666	0.836	0.701	0.686	0.677	0.664	0.656

EQUATIONS FOR ESTIMATING SPINE-TO-WRIST LENGTH (SLEEVE LENGTH)									NO. 90
	CONSTANT	65.153	16.750	1.785	3.517	4.991	6.219	4.530	3.921
2	WEIGHT	0.250	0.100	0.001	0.004	0.020	0.019	0.013	0.011
7	STATURE		0.352	0.126	0.039	0.017	-0.009	-0.011	-0.010
89	SPINE-TO-ELBOW LTH			1.075	1.002	0.934	0.935	0.929	0.893
32	RADIAL-STYLELION L				0.688	0.493	0.471	0.455	0.450
87	SLEEVE INSEAM					0.212	0.180	0.189	0.209
19	CROTCH HEIGHT						0.066	0.066	0.067
93	HAND CIRCUMFERENCE							0.145	0.139
88	SPINE-TO-SCYE LGTH								0.086
MULTIPLE CORRELATIONS		0.566	0.782	0.950	0.972	0.975	0.976	0.977	0.977
ST ERRORS OF ESTIMATE		2.737	2.070	1.040	0.776	0.732	0.722	0.713	0.708

TABLE XXIX

STEPWISE MULTIPLE REGRESSION EQUATIONS (STATURE AND WEIGHT FORCED)

EQUATIONS FOR ESTIMATING HAND LENGTH

NO. 91

	CONSTANT	15.554	3.321	1.227	-1.178	-1.346	-1.323	-1.740	-1.743
2	WEIGHT	0.049	0.011	-0.003	-0.013	-0.014	-0.015	-0.015	-0.015
7	STATURE		0.089	0.034	0.036	0.043	0.025	0.026	0.021
94	FOOT LENGTH			0.491	0.434	0.451	0.430	0.416	0.423
93	HAND CIRCUMFERENCE				0.220	0.225	0.225	0.210	0.202
20	ANKLE HEIGHT					-0.126	-0.119	-0.115	-0.120
31	ACROMION-RADIAL F L						0.109	0.105	0.103
119	LIP LENGTH							0.216	0.218
21	LAT'L MALLEOLUS HT								0.133
	MULTIPLE CORRELATIONS	0.783	0.606	0.729	0.749	0.768	0.779	0.784	0.787
	ST ERRORS OF ESTIMATE	0.886	0.763	0.657	0.636	0.615	0.603	0.596	0.593

EQUATIONS FOR ESTIMATING HAND BREADTH

NO. 92

	CONSTANT	6.284	4.361	0.814	0.494	1.085	0.308	0.279	0.538
2	WEIGHT	0.022	0.016	0.001	0.001	0.002	0.000	-0.000	-0.000
7	STATURE		0.014	0.008	0.008	0.008	0.009	0.004	0.004
93	HAND CIRCUMFERENCE			0.294	0.284	0.286	0.285	0.274	0.278
119	LIP LENGTH				0.115	0.103	0.085	0.075	0.090
114	RIAURICULAR BRDTH					-0.040	-0.051	-0.053	-0.043
97	HEAD BREADTH						0.069	0.068	0.071
94	FOOT LENGTH							0.047	0.051
113	BIOGULAR BREADTH								-0.072
	MULTIPLE CORRELATIONS	0.417	0.457	0.745	0.756	0.762	0.768	0.773	0.778
	ST ERRORS OF ESTIMATE	0.354	0.347	0.260	0.255	0.253	0.250	0.247	0.245

EQUATIONS FOR ESTIMATING HAND CIRCUMFERENCE

NO. 93

	CONSTANT	14.854	11.969	5.473	2.304	0.653	0.176	-0.680	-1.654
2	WEIGHT	0.060	0.051	0.027	0.005	-0.010	-0.012	-0.020	-0.020
7	STATURE		0.021	0.000	-0.005	0.001	-0.000	0.001	-0.000
92	HAND BREADTH			1.494	1.157	1.143	1.089	1.079	1.090
62	WRIST CIRCUMFERENCE				0.521	0.441	0.415	0.404	0.386
61	FOREARM C, FLEXED					0.114	0.114	0.101	0.097
95	FOOT BREADTH						0.175	0.185	0.177
53	SCYE CIRCUMFERENCE							0.044	0.048
113	BIOGULAR BREADTH								0.139
	MULTIPLE CORRELATIONS	0.495	0.509	0.765	0.814	0.821	0.825	0.828	0.831
	ST ERRORS OF ESTIMATE	0.788	0.781	0.585	0.527	0.518	0.513	0.510	0.506

TABLE XXIX

STEPWISE MULTIPLE REGRESSION EQUATIONS (STATURE AND WEIGHT FORCED)

EQUATIONS FOR ESTIMATING FOOT LENGTH

NO. 94

	CONSTANT	19.681	4.505	2.727	0.556	0.850	-0.264	-0.166	1.913
2	WEIGHT	0.076	0.030	0.024	0.016	0.015	0.007	0.007	0.028
7	STATURE		0.110	0.063	0.060	0.043	0.042	0.038	0.030
91	HAND LENGTH			0.530	0.473	0.458	0.459	0.483	0.483
95	FOOT BREADTH				0.470	0.445	0.390	0.370	0.360
32	RADIALE-STYLION L					0.129	0.135	0.112	0.107
49	ANKLE CIRCUMFERENCE						0.098	0.100	0.099
20	ANKLE HEIGHT							0.070	0.070
56	BICEPS C, FLEXED, R								-0.066
	MULTIPLE CORRELATIONS	0.510	0.712	0.797	0.818	0.826	0.830	0.834	0.837
	ST ERRORS OF ESTIMATE	0.970	0.793	0.682	0.650	0.637	0.629	0.624	0.619

EQUATIONS FOR ESTIMATING FOOT BREADTH

NO. 95

	CONSTANT	7.367	5.015	4.155	2.365	1.147	1.921	2.431	2.031
2	WEIGHT	0.026	0.019	0.013	0.006	-0.004	0.001	0.007	0.006
7	STATURE		0.017	-0.006	-0.004	-0.001	-0.002	-0.004	-0.002
94	FOOT LENGTH			0.205	0.164	0.159	0.159	0.149	0.139
93	HAND CIRCUMFERENCE				0.156	0.152	0.153	0.145	0.140
47	CALF CIRCUM, RIGHT					0.044	0.038	0.039	0.041
80	NECK-BUST POINT L						-0.028	-0.028	-0.027
3	TRICEPS SKINFOLD							-0.104	-0.095
118	NASAL BREADTH								0.117
	MULTIPLE CORRELATIONS	0.393	0.429	0.539	0.588	0.602	0.608	0.613	0.618
	ST ERRORS OF ESTIMATE	0.458	0.450	0.420	0.403	0.398	0.396	0.394	0.392

EQUATIONS FOR ESTIMATING HEAD LENGTH

NO. 96

	CONSTANT	16.851	13.376	1.166	0.197	1.731	1.448	1.109	1.425
2	WEIGHT	0.027	0.017	-0.002	-0.005	-0.003	-0.005	-0.005	-0.005
7	STATURE		0.025	0.013	0.010	0.009	0.021	0.019	0.019
98	HEAD CIRCUMFERENCE			0.278	0.223	0.257	0.260	0.256	0.274
107	PRONASALE TO WALL				0.222	0.196	0.204	0.194	0.188
97	HEAD BREADTH					-0.197	-0.205	-0.214	-0.192
87	SLEEVE INSEAM						-0.040	-0.038	-0.038
121	MENTON-SELLION LTH							0.107	0.113
112	BITRAGION-CORONAL								-0.046
	MULTIPLE CORRELATIONS	0.304	0.356	0.699	0.748	0.763	0.770	0.775	0.779
	ST ERRORS OF ESTIMATE	0.647	0.635	0.486	0.451	0.439	0.434	0.430	0.427

TABLE XXIX

STEPWISE MULTIPLE REGRESSION EQUATIONS (STATURE AND WEIGHT FORCED)

EQUATIONS FOR ESTIMATING HEAD BREADTH

NO. 97

	CONSTANT	13.188	13.616	6.175	3.917	2.636	3.319	3.326	3.084
2	WEIGHT	0.023	0.024	0.007	0.004	0.002	0.005	0.004	0.004
7	STATURE		-0.003	-0.004	-0.007	-0.008	-0.008	-0.006	-0.005
115	BITRAGION BREADTH			0.666	0.595	0.562	0.543	0.536	0.542
112	BITRAGION-CORONAL				0.113	0.089	0.081	0.092	0.054
98	HEAD CIRCUMFERENCE					0.051	0.081	0.092	0.105
108	SUBNASALE TO WALL						-0.101	-0.102	-0.137
103	STOMION-TOP HEAD							-0.064	-0.135
99	TRAGION-TOP HEAD								0.199
	MULTIPLE CORRELATIONS	0.290	0.296	0.591	0.641	0.650	0.666	0.674	0.696
	ST ERRORS OF ESTIMATE	0.569	0.569	0.480	0.457	0.453	0.445	0.440	0.428

EQUATIONS FOR ESTIMATING HEAD CIRCUMFERENCE

NO. 98

	CONSTANT	49.843	43.807	23.817	14.870	8.773	7.834	6.263	4.726
2	WEIGHT	0.087	0.068	0.043	0.027	0.017	0.018	0.013	0.008
7	STATURE		0.044	0.007	-0.000	0.004	-0.003	-0.002	-0.003
96	HEAD LENGTH			1.490	1.336	1.354	1.170	1.035	1.038
112	BITRAGION-CORONAL				0.408	0.308	0.239	0.235	0.234
97	HEAD BREADTH					0.626	0.582	0.611	0.466
111	SAGITTAL CURVATURE						0.241	0.240	0.238
108	SUBNASALE TO WALL							0.200	0.191
115	BITRAGION BREADTH								0.335
	MULTIPLE CORRELATIONS	0.403	0.426	0.721	0.793	0.818	0.839	0.845	0.849
	ST ERRORS OF ESTIMATE	1.486	1.470	1.125	0.991	0.934	0.885	0.870	0.861

EQUATIONS FOR ESTIMATING TRAGION TO TOP OF HEAD

NO. 99

	CONSTANT	11.397	8.408	4.377	1.231	-0.796	-0.419	-1.445	-0.517
2	WEIGHT	0.023	0.013	0.008	0.003	-0.003	-0.003	-0.005	-0.004
7	STATURE		0.022	0.003	0.002	0.003	0.004	0.005	0.006
100	ECTOCANTHUS-TOP HD			0.629	0.557	0.567	0.693	0.695	0.692
112	BITRAGION-CORONAL				0.131	0.125	0.126	0.109	0.126
110	MENTON TO WALL					0.126	0.108	0.110	0.128
101	PRONASALE-TOP HEAD						-0.117	-0.116	-0.100
97	HEAD BREADTH							0.102	0.132
98	HEAD CIRCUMFERENCE								-0.049
	MULTIPLE CORRELATIONS	0.222	0.267	0.782	0.810	0.829	0.833	0.836	0.840
	ST ERRORS OF ESTIMATE	0.745	0.737	0.477	0.449	0.428	0.423	0.420	0.416

TABLE XXIX

STEPWISE MULTIPLE REGRESSION EQUATIONS (STATURE AND WEIGHT FORCED)

EQUATIONS FOR ESTIMATING ECTOCANTHUS TO TOP OF HEAD										NO. 100
	CONSTANT	10.610	6.335	0.611	-1.692	-1.031	-0.852	-0.967	-0.861	
2	WEIGHT	0.020	0.007	0.003	-0.002	-0.000	0.000	0.000	0.001	
7	STATURE		0.031	-0.005	-0.005	-0.003	-0.002	-0.003	0.003	
102	SUBNASALE-TOP HEAD			0.741	0.552	0.566	0.337	0.240	0.240	
99	TRAGION-TOP HEAD				0.440	0.430	0.431	0.420	0.419	
122	SUBNASALE-SELLION					-0.263	-0.270	-0.261	-0.254	
101	PRONASALE-TOP HEAD						0.225	0.215	0.214	
103	STOMION-TOP HEAD							0.115	0.114	
24	EYE HEIGHT, SITTING								-0.015	
	MULTIPLE CORRELATIONS	0.168	0.241	0.881	0.924	0.931	0.936	0.937	0.937	
	ST ERRORS OF ESTIMATE	0.906	0.892	0.435	0.352	0.336	0.325	0.322	0.321	

EQUATIONS FOR ESTIMATING PRONASALE TO TOP OF HEAD										NO. 101
	CONSTANT	13.433	7.397	-0.455	-0.600	0.583	-0.196	0.793	0.645	
2	WEIGHT	0.023	0.004	-0.003	-0.003	-0.000	-0.001	0.004	0.003	
7	STATURE		0.044	-0.005	-0.004	-0.003	-0.005	-0.005	-0.004	
102	SUBNASALE-TOP HEAD			1.018	0.892	0.869	0.845	0.855	0.854	
100	ECTOCANTHUS-TOP HD				0.169	0.199	0.209	0.201	0.201	
109	LIP PROTRUS'N-WALL					-0.078	-0.110	-0.103	-0.102	
96	HEAD LENGTH						0.111	0.105	0.101	
36	NECK CIRCUMFERENCE							-0.041	-0.042	
1	AGE								0.007	
	MULTIPLE CORRELATIONS	0.145	0.241	0.944	0.946	0.949	0.950	0.951	0.952	
	ST ERRORS OF ESTIMATE	1.159	1.137	0.386	0.379	0.371	0.366	0.362	0.360	

EQUATIONS FOR ESTIMATING SUBNASALE TO TOP OF HEAD										NO. 102
	CONSTANT	14.354	7.785	1.291	-0.143	-0.558	-0.312	-0.392	-0.879	
2	WEIGHT	0.027	0.006	0.003	0.002	0.000	0.001	0.001	-0.002	
7	STATURE		0.048	0.010	0.003	0.002	0.001	0.002	0.002	
101	PRONASALE-TOP HEAD			0.869	0.460	0.453	0.406	0.379	0.387	
103	STOMION-TOP HEAD				0.486	0.393	0.393	0.367	0.368	
104	MENTON-TOP HEAD					0.112	0.183	0.168	0.156	
120	MENTON-SUBNASALE L						-0.181	-0.172	-0.164	
100	ECTOCANTHUS-TOP HD							0.090	0.090	
36	NECK CIRCUMFERENCE								0.022	
	MULTIPLE CORRELATIONS	0.183	0.289	0.946	0.969	0.970	0.973	0.973	0.974	
	ST ERRORS OF ESTIMATE	1.079	1.051	0.357	0.271	0.266	0.254	0.252	0.250	

TABLE XXIX

STEPWISE MULTIPLE REGRESSION EQUATIONS (STATURE AND WEIGHT FORCED)

EQUATIONS FOR ESTIMATING STOMION TO TOP OF HEAD

NO. 103

	CONSTANT	16.210	9.213	1.772	0.300	0.295	0.201	-0.543	0.425
2	WEIGHT	0.028	0.006	0.000	-0.004	-0.004	-0.004	-0.005	-0.003
7	STATURE		0.051	0.005	0.000	0.001	0.001	0.001	0.000
102	SUBNASALE-TOP HEAD			0.958	0.585	0.609	0.652	0.645	0.635
104	MENTON-TOP HEAD				0.313	0.295	0.236	0.243	0.254
100	ECTOCANTHUS-TOP HD					0.123	0.128	0.126	0.130
120	MENTON-SUBNASALE L						0.116	0.102	0.089
113	BIOCULAR BREADTH							0.089	0.105
97	HEAD BREADTH								-0.078
MULTIPLE CORRELATIONS		0.186	0.296	0.946	0.957	0.958	0.959	0.960	0.961
ST ERRORS OF ESTIMATE		1.102	1.071	0.365	0.326	0.321	0.318	0.315	0.312

EQUATIONS FOR ESTIMATING MENTON TO TOP OF HEAD

NO. 104

	CONSTANT	19.540	11.686	3.546	1.163	1.072	2.020	2.191	2.495
2	WEIGHT	0.041	0.017	0.012	0.007	0.005	0.007	0.007	0.006
7	STATURE		0.057	0.012	0.007	0.007	0.008	0.007	0.007
103	STOMION-TOP HEAD			0.882	0.849	0.637	0.647	0.469	0.401
121	MENTON-SELLION LTH				0.383	0.437	0.436	0.444	0.331
100	ECTOCANTHUS-TOP HD					0.290	0.290	0.219	0.193
114	BIAURICULAR BIRTH						-0.088	-0.090	-0.095
102	SUBNASALE-TOP HEAD							0.248	0.329
120	MENTON-SUBNASALE L								0.228
MULTIPLE CORRELATIONS		0.272	0.372	0.908	0.929	0.935	0.938	0.941	0.944
ST ERRORS OF ESTIMATE		1.097	1.058	0.477	0.423	0.403	0.395	0.387	0.377

EQUATIONS FOR ESTIMATING TRAGION TO WALL

NO. 105

	CONSTANT	8.787	6.864	-2.698	-0.265	0.600	-0.063	-0.430	-0.218
2	WEIGHT	0.024	0.018	-0.005	-0.002	-0.000	-0.002	-0.002	-0.002
7	STATURE		0.014	-0.001	0.000	0.000	0.002	0.002	0.003
106	ECTOCANTHUS-WALL			0.814	0.856	0.851	0.798	0.803	0.815
98	HEAD CIRCUMFERENCE				-0.063	-0.050	-0.047	-0.050	-0.026
115	BITRAGION BREADTH					-0.125	-0.130	-0.166	-0.183
110	MENTON TO WALL						0.067	0.065	0.069
114	BIAURICULAR BIRTH							0.060	0.057
96	HEAD LENGTH								-0.092
MULTIPLE CORRELATIONS		0.204	0.220	0.862	0.867	0.869	0.871	0.873	0.874
ST ERRORS OF ESTIMATE		0.881	0.878	0.457	0.449	0.446	0.443	0.440	0.438

TABLE XXIX

STEPWISE MULTIPLE REGRESSION EQUATIONS (STATURE AND WEIGHT FORCED)

EQUATIONS FOR ESTIMATING ECTOCANTHUS TO WALL

NO. 106

	CONSTANT	14.230	11.611	5.366	0.854	0.066	-0.230	-1.098	-1.956
2	WEIGHT	0.037	0.029	0.013	0.004	0.003	0.002	0.002	-0.000
7	STATURE		0.019	0.007	0.002	-0.004	-0.003	-0.004	-0.004
105	TRAGION TO WALL			0.896	0.585	0.569	0.537	0.540	0.547
107	PRONASALE TO WALL				0.425	0.411	0.204	0.187	0.185
104	MENTON-TOP HEAD					0.104	0.116	0.096	0.093
108	SUBNASALE TO WALL						0.236	0.239	0.236
111	SAGITTAL CURVATURE							0.050	0.047
115	BITRAGION BREADTH								0.091
	MULTIPLE CORRELATIONS	0.291	0.308	0.869	0.911	0.918	0.922	0.924	0.925
	ST ERRORS OF ESTIMATE	0.927	0.922	0.479	0.399	0.384	0.376	0.371	0.368

EQUATIONS FOR ESTIMATING PRONASALE TO WALL

NO. 107

	CONSTANT	18.649	15.764	2.103	2.160	1.712	0.734	0.669	0.155
2	WEIGHT	0.044	0.035	0.004	0.004	0.003	0.002	0.003	-0.002
7	STATURE		0.021	0.008	0.007	0.005	0.003	0.004	0.001
108	SUBNASALE TO WALL			0.893	0.756	0.749	0.731	0.732	0.736
106	ECTOCANTHUS-WALL				0.171	0.174	0.151	0.153	0.148
122	SUBNASALE-SELLION					0.202	0.184	0.188	0.183
96	HEAD LENGTH						0.118	0.125	0.129
120	MENTON-SUBNASALE L							-0.064	-0.063
50	VERTICAL TRUNK CIR								0.008
	MULTIPLE CORRELATIONS	0.344	0.363	0.938	0.942	0.946	0.949	0.949	0.950
	ST ERRORS OF ESTIMATE	0.902	0.896	0.334	0.322	0.311	0.305	0.303	0.302

EQUATIONS FOR ESTIMATING SUBNASALE TO WALL

NO. 108

	CONSTANT	17.295	15.268	1.049	-0.218	-0.009	-0.130	-0.147	0.369
2	WEIGHT	0.041	0.034	0.003	0.000	0.000	-0.001	0.000	0.001
7	STATURE		0.015	0.011	0.003	0.002	0.003	0.003	0.003
109	LIP PROTRUS'N-WALL			0.863	0.524	0.508	0.466	0.452	0.449
107	PRONASALE TO WALL				0.438	0.404	0.397	0.404	0.404
106	ECTOCANTHUS-WALL					0.060	0.065	0.069	0.071
110	MENTON TO WALL						0.049	0.055	0.056
1	AGE							-0.004	-0.004
97	HEAD BREADTH								-0.039
	MULTIPLE CORRELATIONS	0.311	0.320	0.952	0.970	0.971	0.971	0.972	0.972
	ST ERRORS OF ESTIMATE	0.933	0.930	0.302	0.237	0.235	0.234	0.232	0.231

TABLE XXIX

STEPWISE MULTIPLE REGRESSION EQUATIONS (STATURE AND WEIGHT FORCED)

EQUATIONS FOR ESTIMATING LIP PROTRUSION TO WALL

NO. 109

	CONSTANT	17.107	16.412	0.532	-0.058	-0.403	-0.655	-0.261	-0.401
2	WEIGHT	0.038	0.036	0.000	-0.004	-0.004	-0.006	-0.005	-0.008
7	STATURE		0.005	-0.010	-0.004	-0.004	-0.004	-0.003	-0.009
108	SURNASALE TO WALL			1.037	0.829	0.807	0.780	0.776	0.773
110	MENTON TO WALL				0.216	0.218	0.238	0.243	0.242
118	NASAL BREADTH					0.232	0.224	0.214	0.201
120	MENTON-SURNASALE L						0.101	0.108	0.107
114	PIAURICULAR BRDTH							-0.040	-0.038
30	BUTTOCK-KNEE LENGTH								0.024
	MULTIPLE CORRELATIONS	0.270	0.271	0.950	0.958	0.961	0.962	0.962	0.963
	ST ERRORS OF ESTIMATE	1.020	1.020	0.331	0.304	0.295	0.291	0.289	0.287

EQUATIONS FOR ESTIMATING MENTON TO WALL

NO. 110

	CONSTANT	15.578	17.501	2.691	4.338	4.683	4.400	4.394	4.400
2	WEIGHT	0.046	0.052	0.019	0.022	0.023	0.022	0.021	0.021
7	STATURE		-0.014	-0.019	-0.008	-0.009	-0.011	-0.012	-0.010
109	LIP PROTRUSION-WALL			0.908	0.929	0.942	0.691	0.653	0.627
104	MENTON-TOP HEAD				-0.183	-0.149	-0.161	0.003	-0.044
120	MENTON-SURNASALE L					-0.223	-0.214	-0.254	-0.208
108	SURNASALE TO WALL						0.291	0.327	0.352
103	STOMION-TOP HEAD							-0.175	-0.296
100	ECTOCANTHUS-TOP HD								0.222
	MULTIPLE CORRELATIONS	0.303	0.310	0.872	0.888	0.893	0.896	0.899	0.903
	ST ERRORS OF ESTIMATE	1.083	1.081	0.557	0.523	0.513	0.506	0.499	0.490

EQUATIONS FOR ESTIMATING SAGITTAL CURVATURE

NO. 111

	CONSTANT	32.072	24.809	1.482	4.469	5.124	2.103	2.292	1.597
2	WEIGHT	0.047	0.024	-0.012	-0.007	-0.006	-0.022	-0.023	-0.024
7	STATURE		0.053	0.030	0.032	0.026	0.026	0.054	0.053
98	HEAD CIRCUMFERENCE			0.531	0.562	0.513	0.493	0.493	0.451
113	BIOCULAR BREADTH				-0.548	-0.574	-0.518	-0.479	-0.534
100	ECTOCANTHUS-TOP HD					0.272	0.273	0.262	0.218
36	NECK CIRCUMFERENCE						0.133	0.132	0.129
28	POPLITEAL HEIGHT							-0.119	-0.115
112	BITRAGION-CORONAL								0.124
	MULTIPLE CORRELATIONS	0.237	0.298	0.603	0.627	0.646	0.657	0.665	0.671
	ST ERRORS OF ESTIMATE	1.447	1.422	1.189	1.161	1.138	1.124	1.114	1.106

TABLE XXIX

STEPWISE MULTIPLE REGRESSION EQUATIONS (STATURE AND WEIGHT FORCED)

EQUATIONS FOR ESTIMATING BITRAGION-CORONAL CURVATURE									NO. 112
	CONSTANT	30.631	26.947	19.665	7.061	8.403	6.092	3.818	3.368
2	WEIGHT	0.057	0.045	0.034	0.014	0.019	0.016	0.011	0.011
7	STATURE		0.027	0.007	-0.003	-0.001	-0.003	0.000	-0.003
99	TRAGION-TOP HEAD			0.877	0.680	0.746	0.739	0.701	0.670
98	HEAD CIRCUMFERENCE				0.326	0.389	0.364	0.317	0.257
107	PRONASALE TO WALL					-0.295	-0.283	-0.238	-0.230
113	BIOCULAR BREADTH						0.415	0.384	0.444
97	HEAD BREADTH							0.309	0.317
111	SAGITTAL CURVATURE								0.108
MULTIPLE CORRELATIONS		0.303	0.318	0.559	0.647	0.669	0.683	0.692	0.698
ST ERRORS OF ESTIMATE		1.339	1.332	1.166	1.072	1.046	1.028	1.016	1.009

EQUATIONS FOR ESTIMATING BIOCULAR BREADTH									NO. 113
	CONSTANT	8.807	7.683	4.057	2.653	1.974	1.937	3.057	2.577
2	WEIGHT	0.015	0.012	0.003	0.001	-0.002	-0.002	0.003	0.002
7	STATURE		0.008	0.007	0.006	0.008	-0.001	-0.000	-0.000
116	BIZYGOMATIC BROTH			0.334	0.317	0.227	0.213	0.236	0.248
114	BIAURICULAR BROTH				0.120	0.107	0.111	0.105	0.101
117	BIGONIAL BREADTH					0.186	0.173	0.164	0.161
91	HAND LENGTH						0.095	0.088	0.079
36	NECK CIRCUMFERENCE							-0.046	-0.047
120	MENTON-SUBNASALE L								0.122
MULTIPLE CORRELATIONS		0.234	0.247	0.442	0.496	0.524	0.544	0.558	0.571
ST ERRORS OF ESTIMATE		0.478	0.477	0.442	0.428	0.419	0.413	0.409	0.405

EQUATIONS FOR ESTIMATING BIAURICULAR BREADTH									NO. 114
	CONSTANT	14.275	13.151	5.846	6.999	5.328	6.033	4.380	4.498
2	WEIGHT	0.027	0.024	0.008	0.011	0.010	0.009	0.007	0.007
7	STATURE		0.008	0.007	0.006	0.003	0.003	0.001	0.000
115	BITRAGION BREADTH			0.651	0.981	0.930	0.912	0.871	0.899
116	BIZYGOMATIC BROTH				-0.420	-0.546	-0.478	-0.479	-0.496
113	BIOCULAR BREADTH					0.465	0.507	0.458	0.466
119	LIP LENGTH						-0.388	-0.391	-0.259
112	BITRAGION-CORONAL							0.092	0.101
118	NASAL BREADTH								-0.331
MULTIPLE CORRELATIONS		0.216	0.220	0.384	0.423	0.475	0.503	0.518	0.527
ST ERRORS OF ESTIMATE		0.928	0.927	0.878	0.861	0.837	0.822	0.814	0.809

TABLE XXIX

STEPWISE MULTIPLE REGRESSION EQUATIONS (STATURE AND WEIGHT FORCED)

EQUATIONS FOR ESTIMATING BITRAGION BREADTH

NO. 115

	CONSTANT	11.388	11.122	4.622	2.726	1.852	1.782	1.049	0.682
2	WEIGHT	0.026	0.025	0.010	0.007	0.005	0.003	-0.000	-0.002
7	STATURE		0.002	0.002	0.002	0.001	0.002	0.002	0.003
116	BIZYGOMATIC BRDTH			0.571	0.458	0.463	0.469	0.461	0.416
97	HEAD BREADTH				0.243	0.199	0.184	0.176	0.174
114	BIAURICULAR BRDTH					0.109	0.106	0.111	0.105
1	AGE						0.009	0.009	0.009
36	NECK CIRCUMFERENCE							0.031	0.033
117	BIGONIAL BREADTH								0.094
	MULTIPLE CORRELATIONS	0.392	0.393	0.731	0.772	0.797	0.805	0.809	0.813
	ST ERRORS OF ESTIMATE	0.460	0.460	0.342	0.318	0.303	0.297	0.295	0.292

EQUATIONS FOR ESTIMATING BIZYGOMATIC BREADTH

NO. 116

	CONSTANT	11.283	11.178	2.526	1.527	1.960	1.537	1.847	1.084
2	WEIGHT	0.023	0.027	0.007	0.003	0.004	0.004	0.005	0.004
7	STATURE		0.001	-0.001	0.001	0.002	0.000	0.000	0.001
115	BITRAGION BREADTH			0.786	0.650	0.708	0.683	0.687	0.617
117	BIGONIAL BREADTH				0.261	0.265	0.216	0.208	0.205
114	BIAURICULAR BRDTH					-0.091	-0.108	-0.105	-0.110
113	BIOCULAR BREADTH						0.190	0.205	0.208
124	EAR BREADTH							-0.173	-0.163
97	HEAD BREADTH								0.110
	MULTIPLE CORRELATIONS	0.353	0.358	0.721	0.751	0.764	0.777	0.783	0.788
	ST ERRORS OF ESTIMATE	0.540	0.540	0.401	0.382	0.374	0.365	0.360	0.356

EQUATIONS FOR ESTIMATING BIGONIAL BREADTH

NO. 117

	CONSTANT	8.685	9.542	3.908	3.058	2.047	1.457	1.105	0.933
2	WEIGHT	0.026	0.028	0.015	0.014	0.012	0.009	0.002	0.002
7	STATURE		-0.006	-0.006	-0.008	-0.008	-0.009	-0.006	-0.006
116	BIZYGOMATIC BRDTH			0.495	0.418	0.299	0.284	0.269	0.248
113	BIOCULAR BREADTH				0.230	0.216	0.205	0.204	0.192
115	BITRAGION PREADTH					0.217	0.223	0.242	0.249
73	FEMORAL BREADTH, L						0.141	0.148	0.143
5	SUPRAILLIAC SKINFLO							0.087	0.092
119	LIP LENGTH								0.114
	MULTIPLE CORRELATIONS	0.347	0.350	0.590	0.617	0.631	0.637	0.643	0.648
	ST ERRORS OF ESTIMATE	0.528	0.527	0.455	0.443	0.437	0.434	0.432	0.429

TABLE XXIX

STEPWISE MULTIPLE REGRESSION EQUATIONS (STATURE AND WEIGHT FORCED)

EQUATIONS FOR ESTIMATING NASAL BREADTH

NO. 118

	CONSTANT	2.963	3.230	1.554	0.657	0.027	0.188	-0.253	-0.002
2	WEIGHT	0.004	0.005	0.003	0.001	0.000	0.001	-0.003	-0.003
7	STATURE		-0.002	-0.002	-0.003	-0.005	-0.011	-0.011	-0.002
119	LIP LENGTH			0.409	0.382	0.370	0.365	0.358	0.353
109	LIP PROTRUS'N-WALL				0.067	0.062	0.056	0.054	0.051
104	MENTON-TOP HEAD					0.053	0.051	0.048	0.051
32	RADIALE-STYLION L						0.040	0.037	0.025
36	NECK CIRCUMFERENCE							0.026	0.029
22	SITTING HT, RELAXED								-0.018
MULTIPLE CORRELATIONS		0.100	0.103	0.530	0.568	0.592	0.604	0.613	0.622
ST ERRORS OF ESTIMATE		0.328	0.328	0.280	0.272	0.266	0.263	0.261	0.259

EQUATIONS FOR ESTIMATING LIP LENGTH

NO. 119

	CONSTANT	4.090	3.823	1.701	0.405	0.065	-0.191	0.330	0.388
2	WEIGHT	0.005	0.004	0.001	-0.003	-0.004	-0.005	-0.004	-0.005
7	STATURE		0.002	0.003	0.003	0.001	0.001	0.002	-0.005
118	NASAL BREADTH			0.668	0.637	0.609	0.604	0.592	0.589
116	BIZYGOMATIC BRDTH				0.126	0.114	0.073	0.075	0.076
92	HAND BREADTH					0.128	0.127	0.113	0.110
117	BIGONIAL BREADTH						0.085	0.100	0.098
114	BIAURICULAR BRDTH							-0.049	-0.050
8	STATURE, MAXIMUM								0.087
MULTIPLE CORRELATIONS		0.083	0.085	0.528	0.551	0.560	0.568	0.578	0.583
ST ERRORS OF ESTIMATE		0.420	0.420	0.358	0.352	0.349	0.347	0.344	0.343

EQUATIONS FOR ESTIMATING MENTON-SUBNASALE LENGTH

NO. 120

	CONSTANT	4.733	3.609	-0.044	-0.019	-0.369	-0.399	-0.532	0.494
2	WEIGHT	0.014	0.011	0.004	0.004	0.003	0.002	0.003	0.005
7	STATURE		0.008	-0.001	-0.000	-0.003	-0.003	-0.003	-0.003
121	MENTON-SELLION LTH			0.519	0.714	0.673	0.591	0.587	0.583
122	SUBNASALE-SELLION				-0.497	-0.484	-0.427	-0.403	-0.392
104	MENTON-TOP HEAD					0.058	0.196	0.143	0.152
102	SUBNASALE-TOP HEAD						-0.146	-0.264	-0.275
103	STOMION-TOP HEAD							0.171	0.174
116	BIZYGOMATIC BRDTH								-0.095
MULTIPLE CORRELATIONS		0.211	0.226	0.635	0.712	0.720	0.732	0.740	0.747
ST ERRORS OF ESTIMATE		0.499	0.497	0.395	0.359	0.354	0.348	0.344	0.340

TABLE XXIX

STEPWISE MULTIPLE REGRESSION EQUATIONS (STATURE AND WEIGHT FORCED)

EQUATIONS FOR ESTIMATING MENTON-SELLION LENGTH

NO. 121

	CONSTANT	9.358	6.902	4.375	2.307	2.024	1.668	1.601	2.365
2	WEIGHT	0.022	0.014	0.006	0.003	0.002	0.001	0.002	0.009
7	STATURE		0.018	0.012	0.006	0.003	0.003	0.003	0.000
120	MENTON-SUBNASALE L			0.715	0.668	0.632	0.524	0.519	0.520
122	SUBNASALE-SELLION				0.764	0.749	0.742	0.704	0.696
104	MENTON-TOP HEAD					0.050	0.256	0.279	0.279
102	SUBNASALE-TOP HEAD						-0.218	-0.147	-0.146
100	ECTOCANTHUS-TOP HD							-0.121	-0.122
77	BUTTOCK DEPTH								-0.031
MULTIPLE CORRELATIONS		0.264	0.304	0.655	0.824	0.828	0.845	0.849	0.850
ST ERRORS OF ESTIMATE		0.590	0.583	0.463	0.347	0.343	0.328	0.324	0.323

EQUATIONS FOR ESTIMATING SUBNASALE-SELLION LENGTH

NO. 122

	CONSTANT	4.027	2.799	0.046	0.160	0.055	-0.078	-0.245	-0.002
2	WEIGHT	0.009	0.005	-0.000	0.001	-0.001	-0.001	-0.001	-0.001
7	STATURE		0.009	0.002	0.001	0.002	-0.001	-0.001	-0.001
121	MENTON-SELLION LTH			0.393	0.574	0.554	0.551	0.549	0.525
120	MENTON-SUBNASALE L				-0.349	-0.334	-0.338	-0.339	-0.313
1	AGE					0.008	0.008	0.007	0.007
94	FOOT LENGTH						0.028	0.026	0.029
101	PROMASALE-TOP HEAD							0.018	0.091
100	ECTOCANTHUS-TOP HD								-0.109
MULTIPLE CORRELATIONS		0.165	0.198	0.593	0.681	0.690	0.692	0.694	0.705
ST ERRORS OF ESTIMATE		0.405	0.402	0.331	0.301	0.297	0.296	0.296	0.292

EQUATIONS FOR ESTIMATING EAR LENGTH

NO. 123

	CONSTANT	4.255	3.884	3.100	2.869	2.157	1.520	1.393	1.297
2	WEIGHT	0.017	0.015	0.014	0.011	0.009	0.009	0.009	0.008
7	STATURE		0.003	0.002	0.003	0.003	0.002	0.012	0.010
124	EAR BREADTH			0.337	0.308	0.296	0.301	0.305	0.303
1	AGE				0.014	0.013	0.013	0.012	0.012
114	BIAURICULAR BROTH					0.056	0.055	0.054	0.055
111	SAGITTAL CURVATURE						0.023	0.021	0.022
14	ABDOMINAL EXT HGT							-0.015	-0.020
31	ACROMION-RADIALE L								0.029
MULTIPLE CORRELATIONS		0.280	0.282	0.377	0.422	0.438	0.444	0.449	0.454
ST ERRORS OF ESTIMATE		0.426	0.426	0.411	0.403	0.400	0.398	0.397	0.396

TABLE XXIX

STEPWISE MULTIPLE REGRESSION EQUATIONS (STATURE AND WEIGHT FORCED)

EQUATIONS FOR ESTIMATING EAR BREADTH

NO. 124

	CONSTANT	2.635	2.368	1.484	0.992	0.477	0.984	0.645	1.018
2	WEIGHT	0.006	0.005	0.002	0.001	0.000	0.002	0.001	0.001
7	STATURE		0.002	0.002	0.001	0.001	0.001	0.001	0.002
123	EAR LENGTH			0.202	0.199	0.192	0.186	0.179	0.184
108	SUBNASALE TO WALL				0.037	0.036	0.034	0.031	0.037
113	BIOCULAR BREADTH					0.065	0.092	0.087	0.079
116	BIZYGOMATIC BRDTH						-0.063	-0.116	-0.121
115	BITRAGION BREADTH							0.095	0.110
111	SAGITTAL CURVATURE								-0.021
	MULTIPLE CORRELATIONS	0.139	0.144	0.295	0.313	0.326	0.339	0.353	0.363
	ST ERRORS OF ESTIMATE	0.330	0.330	0.318	0.317	0.315	0.314	0.312	0.311

EQUATIONS FOR ESTIMATING GRIP STRENGTH

NO. 125

	CONSTANT	14.073	-4.729	-29.275	-7.918	-35.603	-49.722	-47.512	-33.525
2	WEIGHT	0.274	0.215	0.112	0.347	0.139	0.001	0.051	0.184
7	STATURE		0.137	0.093	0.009	0.055	0.104	0.078	0.058
93	HAND CIRCUMFERENCE			2.054	1.851	1.788	1.448	1.363	1.327
76	ABDOMINAL EXT DPTH				-0.842	-0.825	-0.743	-0.672	-0.731
37	SHOULDER CIRCUMFER					0.329	0.285	0.298	0.239
60	FOREARM C, RELAXED						0.983	0.982	1.107
5	SUPRAILLIAC SKINFOLD							-1.060	-1.116
46	KNEE CIRCUMFERENCE								-0.370
	MULTIPLE CORRELATIONS	0.361	0.381	0.473	0.504	0.528	0.542	0.551	0.556
	ST ERRORS OF ESTIMATE	5.320	5.276	5.027	4.932	4.850	4.800	4.768	4.749

SECTION XIII

PARTIAL CORRELATION COEFFICIENTS

The nature of the relationship between two variables may be markedly different when observed for a group of women which is homogeneous with respect to a third variable from that which exists in a fairly heterogeneous group. The partial correlation coefficient is designed to estimate the degree of relationship—as indicated by a correlation coefficient type statistic—which would be found were the relationship observed by studying a group which was completely homogeneous with respect to one, two, or a larger number of other variables.

Four sets of partial correlation coefficients are presented in tables XXX and XXXI. The first set provides estimates of the correlation coefficients which we would have found by studying women all of the same weight; in the unhappy jargon of statistical usage, these are the coefficients with weight 'partialled out'. The difference between the 'full' and 'partial' correlations is well illustrated by the contrast between the stature-bust circumference entries in tables XXIV and XXX. The value from the former is positive and of at least modest size, indicating that, in general, taller women tend to be bigger around. The partial coefficient, however, is -0.332 , a moderately large negative value. The negative nature of the relationship is, of course, a reflection of the fact that for women of the same weight, the tall ones will almost always of necessity be smaller around the torso than the short ones. Note that with stature held constant, the weight-bust circumference correlation increases from 0.799 to 0.810.

The values above the diagonal line in table XXX are those obtained by partialling out weight, those below the diagonal are those obtained by partialling out stature. In table XXXI, the values above the diagonal were computed by partialling out both weight and stature and, hence, represent in a sense the degree of relationship that would be found in a group of women with identical weights and statures. The fourth set of values, those below the diagonal in this table, were obtained by partialling out the three variables: weight, stature, and age.

To shorten these tables, most of the head and face measurements and the 'left-side' measurements were omitted. The formulas used for the computation of these tables are given in appendix III.

TABLE XXX
PARTIAL CORRELATION COEFFICIENTS
WEIGHT PARTIALED OUT ABOVE DIAGONAL***STATURE PARTIALED OUT BELOW IT

	1	2	3	4	5	6	7	8	9	10
1 AGE			.019	.044	-.150	-.111	-.086	-.088	-.094	-.068
2 WEIGHT	.233									
3 TRICEPS SKINFOLD	.145	.660		.413	.394	.395	-.358	-.357	-.343	-.348
4 SUBSCAPULAR SKINFOLD	.161	.663	.612		.492	.165	-.422	-.423	-.400	-.394
5 SUPRAILIAC SKINFOLD	.006	.629	.602	.662		.213	-.308	-.309	-.279	-.294
6 MEDIAL CALF SKINFOLD	-.021	.417	.512	.332	.372		-.223	-.225	-.215	-.212
7 STATURE								.997	.968	.942
8 STATURE, MAXIMUM	-.032	.031	.017	-.008	.002	-.017			.970	.944
9 CERVICAL HEIGHT	-.016	.112	.085	.101	.132	.048		.253		.950
10 ACROMIAL HEIGHT	.076	.173	.089	.122	.100	.067		.186	.460	
11 SUPRASTERNAL HEIGHT	.005	.177	.126	.140	.137	.072		.234	.439	.522
12 BUST POINT HEIGHT	-.179	-.114	-.086	-.072	-.090	-.009		.091	.270	.433
13 WAIST HEIGHT	-.013	.029	.015	.051	.050	-.016		.163	.395	.373
14 ABDOMINAL EXTENSION HT	-.150	-.125	-.097	-.097	-.059	-.058		.135	.364	.317
15 TROCHANTERIC HEIGHT	-.059	.014	-.025	.017	-.010	-.008		.113	.300	.333
16 BUTTOCK HEIGHT	-.142	.036	.042	.097	.116	.048		.094	.335	.309
17 GLUTEAL FURROW HGT	-.159	-.155	-.078	-.046	-.019	-.041		.026	.271	.229
18 TIBIAL HEIGHT	-.066	-.021	-.018	.002	.022	-.042		.094	.352	.248
19 CROTCH HEIGHT	-.182	-.048	-.052	-.009	.017	-.014		.189	.414	.339
20 ANKLE HEIGHT	.030	-.007	-.033	.049	-.001	-.074		.019	.141	.079
21 LAT'L MALLEOLUS HT	-.025	.026	.058	.039	.052	.049		-.001	.014	.019
22 SITTING HT, RELAXED	.100	.066	.053	.020	.006	.020		.062	-.224	-.224
23 SITTING HEIGHT	.087	.108	.075	.035	.019	.045		.102	-.232	-.226
24 EYE HEIGHT, SITTING	.109	.097	.084	.023	.036	.047		.097	-.151	-.177
25 MIDSHOULDER HT, SIT	.143	.196	.134	.129	.072	.075		.086	.023	.170
26 WAIST HT, SITTING	.137	.221	.213	.205	.153	.110		.078	.018	.035
27 ELBOW REST HEIGHT	.037	.063	.084	.039	.052	.073		.026	-.063	.088
28 POPLITEAL HEIGHT	-.157	-.030	-.058	-.025	.044	-.027		.088	.235	.199
29 BUTTOCK-POPLIT'L L	.072	.339	.233	.234	.224	.145		.061	.217	.222
30 BUTTOCK-KNEE LENGTH	.041	.526	.364	.345	.329	.265		.072	.277	.285
31 ACROMION-RADIAL L	.017	.095	.020	.048	.054	-.021		.086	.174	.291
32 RADIAL-STYLION L	-.040	.034	-.036	-.003	-.037	-.076		.095	.236	.182
33 THUMB-TIP REACH	.072	.137	.047	.056	.055	-.001		.033	.187	.171
34 THUMB-TIP, EXTENDED	.009	.144	.028	.076	.003	.016		.049	.120	.131
35 OVERHEAD REACH	-.060	.070	-.039	-.016	-.017	.005		.091	.206	.276
36 NECK CIRCUMFERENCE	.152	.514	.298	.382	.295	.170		-.009	.023	.038
37 SHOULDER CIRCUMFERENCE	.230	.824	.537	.615	.541	.253		.022	.042	.114
38 CHEST CIRC AT SCYE	.289	.800	.504	.635	.551	.247		.004	.033	.134
39 BUST CIRCUMFERENCE	.285	.810	.525	.648	.598	.265		.008	.060	.165
40 CHEST C BELOW BUST	.262	.786	.488	.595	.535	.251		.024	.055	.189
41 WAIST CIRCUMFERENCE	.230	.832	.544	.671	.642	.296		-.010	.100	.168
42 ABDOMINAL EXT CIRC	.294	.808	.589	.646	.606	.344		-.033	.030	.115
43 HIP C-7" BLW WAIST	.228	.888	.630	.617	.584	.397		-.035	.031	.111
44 HIP C-9" BLW WAIST	.217	.879	.629	.564	.547	.419		.013	.067	.110
45 UPPER THIGH CIRCUM	.147	.856	.635	.540	.563	.434		-.004	.068	.102
46 KNEE CIRCUMFERENCE	.137	.786	.582	.442	.442	.486		.011	.066	.086
47 CALF CIRCUM, RIGHT	.035	.736	.489	.357	.364	.450		-.008	.005	.032
49 ANKLE CIRCUMFERENCE	-.043	.509	.314	.186	.205	.334		.007	.011	.015
50 VERTICAL TRUNK CIRC	.309	.688	.466	.472	.379	.295		.032	.045	.201
51 VERT TRUNK CIRC, SIT	.276	.604	.415	.434	.356	.248		.072	.072	.218

TABLE XXX
PARTIAL CORRELATION COEFFICIENTS
WEIGHT PARTIALED OUT ABOVE DIAGONAL***STATURE PARTIALED OUT BELOW IT

	1	2	3	4	5	6	7	8	9	10
52 BUTTOCK CIRC, SIT	.280	.896	.617	.591	.558	.402		.018	.083	.151
53 SCYE CIRCUMFERENCE	.263	.739	.504	.570	.487	.252		.024	.087	.220
54 AXILLARY ARM CIRC	.233	.846	.666	.690	.633	.352		.010	.064	.094
55 BICEPS CIR,RELAX,R	.284	.868	.716	.637	.580	.427		-.004	.055	.115
56 BICEPS CIR, FLEX,R	.289	.861	.691	.613	.559	.405		-.003	.053	.119
59 ELBOW CIRC, FLEXED	.122	.458	.297	.305	.285	.192		.007	.073	.119
60 FOREARM CIR, RELAX	.189	.799	.566	.507	.475	.348		.003	.068	.138
61 FOREARM CIR,FLEXED	.169	.764	.542	.487	.467	.333		.006	.072	.119
62 WRIST CIRCUMFERNCE	.090	.536	.309	.303	.302	.193		.042	.039	.068
63 BIACROMIAL BREADTH	.142	.335	.130	.172	.108	.026		.012	.031	-.080
64 BIDELOID BREADTH	.223	.790	.533	.582	.527	.261		-.004	.045	.122
65 CHEST BREADTH	.227	.680	.398	.490	.414	.188		.037	.021	.171
66 BUSTPT-BUSTPT BRTH	.151	.573	.350	.423	.431	.158		-.009	.045	.120
67 WAIST BREADTH	.138	.741	.472	.565	.575	.273		.045	.106	.164
68 HIP BREADTH	.190	.737	.539	.451	.439	.382		.006	.044	.061
69 THIGH-THIGH BR,SIT	.270	.798	.592	.489	.473	.422		.030	.061	.095
70 HUMERAL BREADTH, R	.130	.378	.190	.132	.172	.103		.057	.043	.071
72 FEMORAL BREADTH, R	.105	.385	.273	.217	.220	.191		.081	.069	.072
74 CHEST DEPTH	.289	.756	.509	.626	.573	.260		.038	.114	.168
75 WAIST DEPTH	.286	.763	.495	.619	.560	.276		-.003	.106	.163
76 ABDOMINAL EXT DPTH	.285	.822	.572	.650	.589	.360		.011	.105	.167
77 BUTTOCK DEPTH	.157	.825	.599	.593	.532	.399		.021	.084	.156
78 THIGH CLEARANCE	-.033	.634	.430	.362	.417	.331		.096	.135	.115
79 SHOULDER LENGTH	.011	.100	.011	.032	.005	-.042		.019	.082	-.283
80 NECK-BUST POINT L	.310	.529	.357	.420	.411	.162		.031	.059	.015
81 STRAP LENGTH	.328	.602	.410	.471	.437	.176		-.004	-.002	-.016
82 INTERSCYE	.188	.522	.294	.369	.329	.110		.038	.033	.085
83 INTERSCYE, MAXIMUM	.164	.461	.287	.344	.318	.100		.033	.090	.068
84 BACK CURVATURE	.159	.585	.352	.442	.344	.215		.042	.038	.159
85 WAIST BACK	-.023	-.020	-.028	-.046	-.026	.003		.082	.215	-.021
86 ANTERIOR WAIST LTH	.028	.286	.207	.218	.241	.149		.013	-.054	-.011
87 SLEEVE INSEAM	-.166	-.148	-.154	-.121	-.141	-.098		.050	.245	.112
88 SPINE-TO-SCYE LGTH	.143	.357	.171	.204	.216	.039		.038	.021	.058
89 SPINE-TO-ELBOW LTH	.129	.333	.174	.183	.153	.035		.059	.093	.052
90 SPINE-TO-WRIST LTH	.062	.294	.117	.148	.108	-.007		.092	.197	.160
91 HAND LENGTH	.064	.093	-.048	-.029	-.012	-.098		.091	.096	.070
92 HAND BREADTH	.132	.274	.032	.047	.051	-.005		.044	.024	.044
93 HAND CIRCUMFERENCE	.129	.382	.137	.131	.143	.043		.044	.036	.071
94 FOOT LENGTH	.031	.232	.001	.047	.045	-.046		.125	.136	.101
95 FOOT BREADTH	-.011	.257	.031	.041	.033	.026		-.003	-.006	.032
96 HEAD LENGTH	.108	.167	.036	.020	.022	.031		.061	-.060	-.028
97 HEAD BREADTH	.186	.259	.147	.133	.130	.089		.015	-.055	.012
98 HEAD CIRCUMFERENCE	.083	.284	.087	.102	.069	.061		.078	-.073	-.023
104 MENTON-TOP HEAD	.051	.103	.007	.008	-.031	.007		-.013	-.178	-.112
107 PRONASALE TO WALL	.138	.241	.082	.106	.075	.044		.037	.075	.069
111 SAGITTAL CURVATURE	.086	.109	.015	.033	-.055	.038		.031	-.136	-.093
112 BITRAGION-CORONAL	.057	.211	.110	.132	.104	.081		.038	-.115	-.052
115 BITRAGION BREADTH	.241	.328	.196	.211	.149	.110		.017	-.011	.064
121 MENTON-SELLION LTH	.183	.150	.036	.035	-.001	-.030		.034	-.038	-.027
125 GRIP STRENGTH	.142	.252	.076	.065	.037	-.029		.059	-.002	.049

ALL ENTRIES ON THIS PAGE ARE BELOW THE DIAGONAL

TABLE XXX
PARTIAL CORRELATION COEFFICIENTS
WEIGHT PARTIALED OUT ABOVE DIAGONAL***STATURE PARTIALED OUT BELOW IT

		11	12	13	14	15	16	17	18	19	20
1	AGE	-.093	-.144	-.085	-.135	-.107	-.161	-.145	-.105	-.172	.009
2	WEIGHT										
3	TRICEPS SKINFOLD	-.341	-.330	-.319	-.322	-.314	-.273	-.269	-.268	-.305	-.130
4	SUBSCAPULAR SKINFOLD	-.398	-.381	-.354	-.377	-.335	-.285	-.296	-.298	-.326	-.050
5	SUPRAILIAC SKINFOLD	-.288	-.289	-.254	-.258	-.263	-.178	-.188	-.198	-.216	-.078
6	MEDIAL CALF SKINFOLD	-.215	-.184	-.211	-.198	-.189	-.157	-.163	-.189	-.177	-.133
7	STATURE	.962	.908	.884	.874	.808	.800	.800	.737	.811	.266
8	STATURE, MAXIMUM	.964	.908	.887	.877	.810	.802	.800	.740	.817	.267
9	CERVICAL HEIGHT	.960	.909	.902	.893	.826	.824	.819	.774	.847	.292
10	ACROMIAL HEIGHT	.953	.920	.891	.880	.827	.815	.807	.752	.834	.277
11	SUPRASTERNAL HEIGHT		.930	.907	.901	.838	.828	.818	.767	.853	.278
12	BUST POINT HEIGHT	.464		.868	.867	.818	.802	.809	.738	.828	.259
13	WAIST HEIGHT	.444	.332		.936	.867	.857	.845	.794	.888	.275
14	ABDOMINAL EXTENSION HT	.422	.373	.709		.871	.869	.852	.800	.900	.238
15	TROCHANTERIC HEIGHT	.374	.338	.555	.569		.852	.838	.737	.878	.209
16	BUTTOCK HEIGHT	.357	.294	.534	.573	.583		.868	.779	.884	.264
17	GLUTEAL FURROW HEIGHT	.255	.339	.480	.534	.532	.620		.776	.865	.272
18	TIBIAL HEIGHT	.307	.245	.449	.474	.356	.465	.456		.809	.420
19	CROTCH HEIGHT	.440	.378	.622	.672	.644	.667	.614	.535		.276
20	ANKLE HEIGHT	.082	.045	.089	.013	-.011	.089	.102	.344	.107	
21	LAT'L MALLEOLUS HT	.040	-.001	.052	.067	.036	.080	.023	.086	.026	.099
22	SITTING HT, RELAXED	-.241	-.283	-.469	-.555	-.531	-.579	-.598	-.430	-.635	-.046
23	SITTING HEIGHT	-.252	-.304	-.511	-.600	-.559	-.618	-.638	-.478	-.672	-.061
24	EYE HEIGHT, SITTING	-.186	-.256	-.405	-.495	-.487	-.524	-.548	-.382	-.569	-.076
25	MIDSHOULDER HT, SIT	-.071	-.129	-.339	-.447	-.384	-.446	-.479	-.349	-.522	-.011
26	WAIST HEIGHT, SITTING	-.006	-.098	.127	-.131	-.129	-.164	-.224	-.146	-.249	-.008
27	ELBOW REST HEIGHT	-.114	-.121	-.355	-.413	-.426	-.416	-.461	-.328	-.509	-.073
28	POPLITEAL HEIGHT	.245	.219	.350	.419	.362	.452	.364	.388	.470	.047
29	BUTTOCK-POPLIT'L L	.296	.172	.368	.342	.354	.396	.273	.211	.402	-.015
30	BUTTOCK-KNEE LENGTH	.353	.180	.411	.370	.426	.467	.287	.228	.469	.004
31	ACROMION-RADIAL L	.190	.136	.304	.321	.397	.340	.288	.170	.368	-.066
32	RADIAL-STYLION L	.221	.196	.298	.296	.319	.311	.297	.380	.383	.250
33	THUMB-TIP REACH	.151	.098	.199	.173	.247	.220	.200	.211	.265	.106
34	THUMB-TIP, EXTENDED	.103	.105	.168	.129	.248	.142	.160	.142	.214	.113
35	OVERHEAD REACH	.289	.224	.264	.266	.381	.231	.229	.196	.323	.143
36	NECK CIRCUMFERENCE	-.000	-.069	-.071	-.150	-.052	-.042	-.121	.016	-.085	.187
37	SHOULDER CIRCUMFERENCE	.149	-.106	.009	-.086	.021	.025	-.113	-.027	-.038	-.007
38	CHEST CIRC AT SCYE	.107	-.112	.004	-.119	-.016	.015	-.101	-.012	-.062	.050
39	BUST CIRCUMFERENCE	.131	-.152	.008	-.117	-.014	.040	-.090	-.007	-.055	.028
40	CHEST C BELOW BUST	.126	-.038	-.013	-.133	.005	.034	-.093	-.012	-.045	.024
41	WAIST CIRCUMFERENCE	.120	-.118	-.042	-.135	.035	.075	-.075	-.026	-.031	.038
42	ABDOMINAL EXT CIRC	.047	-.157	-.022	-.254	-.047	.013	-.126	-.053	-.120	.002
43	HIP C-7" BLW WAIST	.080	-.122	-.019	-.157	-.034	.010	-.160	-.060	-.133	-.037
44	HIP C-9" BLW WAIST	.107	-.128	.020	-.138	-.035	-.043	-.218	-.056	-.122	-.017
45	UPPER THIGH CIRCUM	.098	-.102	.024	-.093	-.014	.018	-.132	-.010	-.067	-.051
46	KNEE CIRCUMFERENCE	.122	-.082	-.001	-.112	-.023	.006	-.161	-.022	-.061	-.009
47	CALF CIRCUM, RIGHT	.062	-.082	-.060	-.119	-.013	-.058	-.162	-.055	-.095	-.088
49	ANKLE CIRCUMFERENCE	.046	-.053	-.097	-.131	-.090	-.105	-.178	.005	-.114	-.014
50	VERTICAL TRUNK CIRC	.082	-.107	-.200	-.373	-.219	-.301	-.418	-.253	-.387	-.004
51	VERT TRUNK CIRC, SIT	.066	-.100	-.198	-.366	-.254	-.304	-.417	-.259	-.403	-.005

TABLE XXX
PARTIAL CORRELATION COEFFICIENTS
WEIGHT PARTIALED OUT ABOVE DIAGONAL***STATURE PARTIALED OUT BELOW IT

		11	12	13	14	15	16	17	18	19	20
52	BUTTOCK CIRC, SIT	.133	-.124	.035	-.146	-.004	-.001	-.200	-.053	-.100	-.010
53	SCYE CIRCUMFERENCE	.146	-.091	.023	-.101	.018	.029	-.090	-.014	-.043	.055
54	AXILLARY ARM CIRC	.135	-.123	-.010	-.148	-.049	.012	-.135	-.038	-.083	.045
55	BICEPS CIR, RELAX, R	.143	-.120	-.022	-.153	-.024	-.006	-.147	-.066	-.088	-.010
56	BICEPS CIR, FLEX, R	.151	-.126	-.024	-.135	-.023	.008	-.143	-.059	-.081	-.014
59	ELBOW CIRC, FLEXED	.142	-.002	.020	.004	.081	.055	-.016	.041	.035	.041
60	FOREARM CIR, RELAX	.170	-.066	-.018	-.098	.008	.000	-.118	-.017	-.048	.009
61	FOREARM CIR, FLEXED	.165	-.064	-.023	-.078	.004	.010	-.106	.001	-.040	.010
62	WRIST CIRCUMFERENCE	.105	-.074	-.045	-.101	-.043	-.027	-.151	-.014	-.057	.051
63	BIACROMIAL BREADTH	.050	-.031	-.022	-.059	.026	-.050	-.072	.005	-.016	.057
64	BIDELTOID BREADTH	.111	-.108	-.006	-.121	-.011	.016	-.125	.002	-.065	.048
65	CHEST BREADTH	.093	-.073	-.032	-.127	-.018	-.009	-.118	-.042	-.055	-.012
66	BUSTPT-BUSTPT BRTH	.149	-.112	.045	-.023	.031	.066	-.043	.017	.004	-.021
67	WAIST BREADTH	.110	-.109	-.020	-.093	.030	.083	-.056	-.006	-.004	.049
68	HIP BREADTH	.051	-.133	.000	-.144	-.043	-.088	-.212	-.064	-.143	-.017
69	THIGH-THIGH BR, SIT	.064	-.142	-.018	-.185	-.057	-.067	-.233	-.091	-.144	-.035
70	HUMERAL BREADTH, R	.113	-.038	-.007	-.021	-.039	-.058	-.115	.004	-.045	.006
72	FEMORAL BREADTH, R	.091	-.064	-.001	-.039	-.062	.002	-.098	.046	-.017	.007
74	CHEST DEPTH	.153	-.128	.071	-.068	.039	.083	-.055	.010	-.003	.035
75	WAIST DEPTH	.136	-.115	.013	-.146	.048	.082	-.086	-.035	-.037	.026
76	ABDOMINAL EXT DPTH	.126	-.099	.049	-.160	.068	.118	-.075	-.027	-.011	.017
77	BUTTOCK DEPTH	.146	-.087	.065	-.095	.062	.086	-.125	-.003	-.028	.002
78	THIGH CLEARANCE	.164	-.001	.135	.065	.129	.159	.016	.109	.139	-.031
79	SHOULDER LENGTH	-.012	-.081	.004	-.008	.027	-.067	-.016	.032	.016	.016
80	NECK-BUST POINT L	-.001	-.590	-.045	-.176	-.120	-.047	-.169	-.018	-.136	.054
81	STRAP LENGTH	.025	-.580	-.091	-.215	-.132	-.063	-.206	-.071	-.180	.012
82	INTERSCYE	.045	-.120	-.018	-.107	-.040	.011	-.087	.001	-.048	.068
83	INTERSCYE, MAXIMUM	.005	-.138	.001	-.097	-.120	-.005	-.091	.103	-.047	.155
84	BACK CURVATURE	.050	-.096	-.036	-.098	.016	.049	-.088	-.086	-.053	-.076
85	WAIST BACK	-.111	-.103	-.425	-.298	-.298	-.341	-.290	-.237	-.291	-.025
86	ANTERIOR WAIST LTH	.189	-.031	-.556	-.351	-.260	-.218	-.273	-.186	-.264	-.017
87	SLEEVE INSEAM	.176	.252	.315	.365	.377	.337	.406	.405	.467	.245
88	SPINE-TO-SCYE LGTH	.001	-.117	-.021	-.071	-.098	-.012	-.082	.032	-.059	.034
89	SPINE-TO-ELBOW LTH	.088	-.012	.132	.097	.132	.095	.078	.105	.136	.035
90	SPINE-TO-WRIST LTH	.197	.116	.255	.237	.281	.247	.225	.271	.317	.119
91	HAND LENGTH	.127	.042	.164	.183	.207	.148	.110	.052	.177	-.160
92	HAND BREADTH	.038	-.051	-.018	-.020	.011	-.014	-.070	.026	.012	.047
93	HAND CIRCUMFERENCE	.091	-.047	-.031	-.046	-.022	-.005	-.096	.027	-.020	.043
94	FOOT LENGTH	.139	.018	.163	.127	.181	.133	.077	.150	.202	.086
95	FOOT BREADTH	.051	.033	.042	.003	.084	-.002	-.017	.021	.018	.074
96	HEAD LENGTH	-.014	-.031	.015	-.005	.031	.001	-.039	-.037	.019	-.072
97	HEAD BREADTH	-.066	-.110	-.004	-.073	-.039	-.017	-.044	-.010	-.051	-.043
98	HEAD CIRCUMFERENCE	-.012	-.062	.010	-.039	.073	-.008	-.042	-.015	.028	-.007
104	MENTON-TOP HEAD	-.068	-.069	-.069	-.047	.018	-.088	-.097	-.051	-.032	-.006
107	PRONASALE TO WALL	.080	.026	.076	.040	.106	.028	.032	.065	.063	.072
111	SAGITTAL CURVATURE	-.123	-.092	-.095	-.128	-.076	-.140	-.106	-.036	-.080	.116
112	BITRAGION-CORONAL	-.092	-.125	-.028	-.055	.014	-.015	-.040	-.044	-.019	-.051
115	BITRAGION BREADTH	.001	-.064	.034	-.043	-.003	-.024	-.067	-.002	-.039	.006
121	MENTON-SELLION LTH	-.016	-.072	-.048	-.056	-.008	-.048	-.116	-.052	-.044	-.057
125	GRIP STRENGTH	.057	-.058	-.041	-.027	-.029	-.042	-.053	.025	-.008	.055

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TABLE XXX
PARTIAL CORRELATION COEFFICIENTS
WEIGHT PARTIALED OUT ABOVE DIAGONAL***STATURE PARTIALED OUT BELOW IT

		21	22	23	24	25	26	27	28	29	30
1	AGE	-.061	-.001	-.019	.010	.028	.065	.010	-.171	-.050	-.130
2	WEIGHT										
3	TRICEPS SKINFOLD	-.081	-.249	-.260	-.217	-.215	-.008	.001	-.276	-.170	-.216
4	SUBSCAPULAR SKINFOLD	-.127	-.322	-.340	-.315	-.260	-.037	-.062	-.289	-.202	-.281
5	SUPRAILIAC SKINFOLD	-.070	-.252	-.267	-.226	-.241	-.062	-.028	-.151	-.143	-.204
6	MEDIAL CALF SKINFOLD	-.042	-.166	-.164	-.141	-.143	-.038	.019	-.162	-.109	-.102
7	STATURE	.359	.718	.734	.659	.615	.254	.142	.675	.504	.655
8	STATURE, MAXIMUM	.358	.719	.737	.662	.618	.259	.143	.678	.506	.657
9	CERVICAL HEIGHT	.350	.654	.668	.607	.595	.244	.119	.697	.529	.683
10	ACROMIAL HEIGHT	.343	.620	.634	.571	.617	.238	.159	.687	.526	.676
11	SUPRASTERNAL HEIGHT	.354	.641	.654	.591	.568	.232	.102	.700	.545	.694
12	BUST POINT HEIGHT	.327	.570	.582	.520	.522	.200	.081	.680	.539	.685
13	WAIST HEIGHT	.340	.480	.484	.438	.413	.280	-.041	.717	.599	.744
14	ABDOMINAL EXTENSION HT	.346	.440	.445	.397	.371	.172	-.073	.740	.613	.762
15	TROCHANTERIC HEIGHT	.310	.360	.366	.314	.313	.128	-.136	.703	.596	.748
16	BUTTOCK HEIGHT	.332	.330	.331	.288	.273	.101	-.136	.741	.615	.763
17	GLUTEAL FURROW HEIGHT	.303	.325	.330	.283	.273	.089	-.158	.701	.585	.723
18	TIBIAL HEIGHT	.319	.326	.320	.291	.265	.093	-.115	.691	.507	.626
19	CROTCH HEIGHT	.306	.324	.329	.285	.258	.068	-.179	.750	.634	.789
20	ANKLE HEIGHT	.185	.160	.155	.120	.156	.061	-.032	.213	.122	.181
21	LAT'L MALLEOLUS HT		.251	.251	.236	.195	.114	.058	.301	.146	.167
22	SITTING HT, RELAXED	-.008		.960	.879	.810	.449	.529	.275	.049	.138
23	SITTING HEIGHT	-.016	.916		.908	.844	.458	.541	.270	.068	.153
24	EYE HEIGHT, SITTING	.001	.776	.833		.793	.481	.551	.233	.052	.127
25	MIDSHOULDER HT, SIT	-.029	.669	.736	.656		.457	.661	.220	.011	.091
26	WAIST HEIGHT, SITTING	.030	.400	.425	.439	.420		.400	.033	-.067	-.024
27	ELBOW REST HEIGHT	.010	.622	.652	.617	.732	.384		-.117	-.268	-.256
28	POPITEAL HEIGHT	.084	-.408	-.448	-.383	-.334	-.196	-.292		.456	.592
29	BUTTOCK-POPLIT'L L	-.032	-.465	-.444	-.371	-.339	-.140	-.352	.161		.797
30	BUTTOCK-KNEE LENGTH	-.069	-.501	-.482	-.403	-.333	-.100	-.363	.213	.750	
31	ACROMION-RADIAL L	.020	-.318	-.318	-.269	-.214	-.062	-.417	.216	.239	.283
32	RADIAL-STYLION L	-.105	-.344	-.346	-.337	-.250	-.142	-.354	.254	.219	.254
33	THUMB-TIP REACH	-.040	-.244	-.272	-.277	-.130	-.139	-.287	.188	.161	.219
34	THUMB-TIP, EXTENDED	-.059	-.176	-.148	-.124	-.090	.014	-.176	.072	.149	.218
35	OVERHEAD REACH	-.105	-.224	-.213	-.197	-.115	-.070	-.221	.141	.167	.252
36	NECK CIRCUMFERENCE	-.007	.094	.124	.082	.158	.134	.032	-.032	.071	.173
37	SHOULDER CIRCUMFERENCE	.011	.051	.080	.064	.144	.173	-.008	-.019	.242	.375
38	CHEST CIRC AT SCYE	.003	.065	.084	.074	.155	.195	.006	-.048	.219	.351
39	BUST CIRCUMFERENCE	.021	.040	.057	.058	.145	.175	.023	-.022	.242	.370
40	CHEST C BELOW BUST	.015	.030	.056	.044	.150	.139	.045	-.031	.227	.353
41	WAIST CIRCUMFERENCE	-.003	-.010	.022	-.001	.145	.100	.009	-.025	.284	.422
42	ABDOMINAL EXT CIRC	-.004	.057	.086	.094	.178	.238	.075	-.082	.257	.382
43	HIP C-7" BLW WAIST	.001	.064	.108	.104	.195	.219	.080	-.077	.349	.509
44	HIP C-9" BLW WAIST	-.023	.126	.169	.154	.228	.274	.111	-.095	.343	.513
45	UPPER THIGH CIRCUM	.011	.056	.096	.092	.171	.228	.094	-.039	.342	.500
46	KNEE CIRCUMFERENCE	.072	.065	.102	.094	.150	.166	.086	-.056	.266	.438
47	CALF CIRCUM, RIGHT	.068	.091	.131	.105	.132	.115	.051	-.033	.157	.359
49	ANKLE CIRCUMFERENCE	.071	.122	.167	.131	.169	.113	.103	-.052	.028	.186
50	VERTICAL TRUNK CIRC	-.031	.396	.448	.406	.562	.334	.394	-.284	.063	.164
51	VERT TRUNK CIRC, SIT	-.021	.460	.515	.464	.647	.386	.476	-.284	-.015	.072

TABLE XXX
PARTIAL CORRELATION COEFFICIENTS
HEIGHT PARTIALED OUT ABOVE DIAGONAL***STATURE PARTIALED OUT BELOW IT

	21	22	23	24	25	26	27	28	29	30
52 BUTTOCK CIRC, SIT	-.024	.110	.145	.139	.222	.269	.095	-.080	.336	.508
53 SCYE CIRCUMFERENCE	.013	.055	.083	.081	.203	.209	.045	-.039	.215	.342
54 AXILLARY ARM CIRC	.036	.088	.117	.105	.179	.232	.044	-.059	.255	.395
55 BICEPS CIR,RELAX,R	.026	.073	.105	.087	.172	.197	.062	-.065	.269	.432
56 BICEPS CIR, FLEX,R	.033	.065	.094	.081	.166	.183	.059	-.050	.273	.433
59 ELBOW CIRC, FLEXED	.051	-.026	-.000	-.011	.050	.062	-.025	.039	.128	.247
60 FOREARM CIR, RELAX	.046	.051	.089	.056	.160	.134	.025	-.006	.203	.381
61 FOREARM CIR,FLEXED	.044	.043	.079	.052	.135	.122	.022	-.000	.194	.369
62 WRIST CIRCUMFERENCE	.089	.083	.120	.107	.132	.100	.034	.039	.064	.196
63 BIACROMIAL BREADTH	-.041	.031	.036	.004	-.006	.017	-.202	-.008	.068	.127
64 BIDELOID BREADTH	-.005	.058	.083	.067	.149	.176	.003	-.020	.238	.375
65 CHEST BREADTH	-.016	.050	.094	.107	.142	.182	.053	-.072	.190	.294
66 BUSTPT-BUSTPT BRTH	.033	-.005	-.002	.007	.014	.091	-.037	.022	.189	.281
67 WAIST BREADTH	-.021	.004	.025	-.013	.156	.029	.014	.015	.225	.357
68 HIP BREADTH	-.054	.141	.179	.180	.208	.255	.126	-.113	.280	.432
69 THIGH-THIGH BR,SIT	-.036	.158	.201	.192	.249	.289	.163	-.134	.270	.429
70 HUMERAL BREADTH, R	.122	.065	.097	.102	.083	.099	.053	.005	.062	.139
72 FEMORAL BREADTH, R	.139	.056	.075	.126	.039	.120	.076	-.010	.094	.162
74 CHEST DEPTH	.037	.000	.022	.034	.112	.178	.014	-.000	.265	.390
75 WAIST DEPTH	.009	.011	.034	.017	.162	.165	.029	-.020	.276	.396
76 ABDOMINAL EXT DPTH	.010	-.019	.018	.028	.137	.184	.028	-.033	.354	.501
77 BUTTOCK DEPTH	-.015	.017	.063	.044	.167	.200	.058	-.036	.394	.581
78 THIGH CLEARANCE	.057	-.097	-.047	.026	.002	.107	-.009	.109	.287	.450
79 SHOULDER LENGTH	-.093	.020	.024	.032	-.050	-.003	-.186	-.014	-.018	.033
80 NECK-BUST POINT L	-.006	.135	.140	.159	.170	.180	.082	-.092	.092	.174
81 STRAP LENGTH	.022	.159	.174	.175	.169	.194	.076	-.117	.105	.183
82 INTERSCYE	.003	.029	.074	.073	.144	.115	.011	-.039	.138	.205
83 INTERSCYE, MAXIMUM	-.015	.064	.068	.095	.115	.156	.043	-.004	.115	.176
84 BACK CURVATURE	.018	.029	.071	.068	.155	.117	.055	-.019	.163	.261
85 WAIST BACK	-.020	.311	.388	.315	.395	-.188	.312	-.207	-.229	-.245
86 ANTERIOR WAIST LTH	.009	.290	.309	.281	.270	-.083	.264	-.148	-.073	-.040
87 SLEEVE INSEAM	-.117	-.407	-.420	-.410	-.347	-.209	-.509	.253	.197	.224
88 SPINE-TO-SCYE LGTH	.037	.060	.065	.083	.109	.085	.051	.016	.052	.094
89 SPINE-TO-ELBOW LTH	-.047	-.100	-.103	-.087	-.089	.028	-.313	.091	.165	.248
90 SPINE-TO-WRIST LTH	-.084	-.266	-.271	-.250	-.196	-.050	-.421	.218	.243	.327
91 HAND LENGTH	.074	-.137	-.140	-.111	-.127	-.064	-.140	.218	.090	.102
92 HAND BREADTH	.057	.011	.028	.020	.040	.011	-.015	.099	.023	.089
93 HAND CIRCUMFERENCE	.083	.022	.048	.027	.079	.021	.012	.072	.037	.137
94 FOOT LENGTH	-.033	-.125	-.104	-.122	-.080	-.014	-.147	.178	.132	.205
95 FOOT BREADTH	.004	-.042	-.025	-.069	.001	-.007	-.069	.035	.078	.147
96 HEAD LENGTH	.019	.033	.035	-.009	-.030	.013	-.027	.033	.057	.085
97 HEAD BREADTH	.034	.036	.045	.005	.046	.055	.010	-.018	.030	.055
98 HEAD CIRCUMFERENCE	-.028	.024	.053	-.047	.006	.001	-.051	-.008	.108	.150
104 MENTON-TOP HEAD	-.012	.056	.059	-.101	-.046	-.043	-.072	-.044	.019	.025
107 PRONASALE TO WALL	-.033	-.029	-.004	-.018	.029	.013	-.081	.019	.133	.184
111 SAGITTAL CURVATURE	-.044	.131	.153	.014	.076	.036	.018	-.138	-.016	-.029
112 BITRAGION-CORONAL	-.014	.041	.065	-.038	.001	-.001	-.036	-.031	.073	.086
115 BITRAGION BREADTH	.032	.024	.036	.002	.073	.076	-.006	-.025	.065	.111
121 MENTON-SELLION LTH	.004	.048	.060	.067	.016	-.003	-.002	-.015	.008	.009
125 GRIP STRENGTH	-.032	.021	.028	.022	.056	-.003	-.026	.002	.021	.087

ALL ENTRIES ON THIS PAGE ARE BELOW THE DIAGONAL

TABLE XXX
PARTIAL CORRELATION COEFFICIENTS
HEIGHT PARTIALED OUT ABOVE DIAGONAL***STATURE PARTIALED OUT BELOW IT

		31	32	33	34	35	36	37	38	39	40
1	AGE	-.059	-.090	-.012	-.065	-.115	.037	.087	.192	.186	.148
2	WEIGHT										
3	TRICEPS SKINFOLD	-.271	-.270	-.240	-.253	-.351	-.063	.072	.050	.100	.033
4	SUBSCAPULAR SKINFOLD	-.286	-.275	-.265	-.233	-.384	.053	.242	.316	.356	.249
5	SUPRAILIAC SKINFOLD	-.204	-.240	-.200	-.248	-.292	-.045	.120	.177	.277	.157
6	MEDIAL CALF SKINFOLD	-.193	-.210	-.174	-.153	-.194	-.058	-.113	-.088	-.050	-.071
7	STATURE	.645	.594	.545	.504	.802	.013	-.239	-.270	-.332	-.256
8	STATURE, MAXIMUM	.648	.598	.545	.506	.804	.011	-.238	-.272	-.333	-.255
9	CERVICAL HEIGHT	.656	.622	.564	.511	.806	.002	-.253	-.284	-.334	-.261
10	ACROMIAL HEIGHT	.679	.608	.556	.506	.809	-.008	-.242	-.256	-.299	-.213
11	SUPRASTERNAL HEIGHT	.657	.619	.554	.504	.818	-.017	-.228	-.275	-.325	-.252
12	BUST POINT HEIGHT	.633	.607	.535	.502	.787	.006	-.225	-.259	-.342	-.198
13	WAIST HEIGHT	.678	.637	.559	.512	.782	-.036	-.223	-.253	-.305	-.252
14	ABDOMINAL EXTENSION HT	.689	.637	.555	.503	.782	-.038	-.194	-.251	-.303	-.250
15	TROCHANTERIC HEIGHT	.700	.631	.563	.533	.782	-.031	-.183	-.244	-.292	-.213
16	BUTTOCK HEIGHT	.671	.624	.545	.475	.724	-.032	-.196	-.230	-.256	-.200
17	GLUTEAL FURROW HEIGHT	.657	.623	.550	.500	.729	-.019	-.176	-.194	-.232	-.178
18	TIBIAL HEIGHT	.565	.645	.524	.457	.671	.030	-.187	-.194	-.234	-.184
19	CROTCH HEIGHT	.690	.663	.577	.522	.765	-.030	-.192	-.240	-.284	-.214
20	ANKLE HEIGHT	.123	.352	.232	.230	.296	.217	-.067	.014	-.037	-.024
21	LAT'L MALLEOLUS HT	.244	.133	.161	.130	.228	-.018	-.101	-.123	-.119	-.100
22	SITTING HT, RELAXED	.289	.232	.242	.249	.480	.058	-.176	-.180	-.254	-.208
23	SITTING HEIGHT	.301	.243	.234	.272	.498	.064	-.186	-.201	-.277	-.219
24	EYE HEIGHT, SITTING	.264	.184	.173	.241	.436	.037	-.178	-.181	-.243	-.206
25	MIDSHOULDER HT, SIT	.253	.199	.228	.227	.431	.061	-.171	-.168	-.223	-.162
26	WAIST HEIGHT, SITTING	.101	.031	-.004	.113	.153	.027	-.075	-.039	-.090	-.118
27	ELBOW REST HEIGHT	-.231	-.201	-.171	-.089	-.020	.002	-.135	-.108	-.091	-.042
28	POPLITEAL HEIGHT	.559	.552	.488	.389	.605	-.006	-.154	-.210	-.221	-.181
29	BUTTOCK-POPLIT'L L	.471	.452	.364	.334	.483	-.104	-.178	-.213	-.215	-.185
30	BUTTOCK-KNEE LENGTH	.582	.558	.467	.441	.640	-.092	-.245	-.277	-.298	-.252
31	ACROMION-RADIAL L		.555	.562	.490	.649	-.037	-.062	-.114	-.154	-.118
32	RADIAL-STYLION L	.281		.544	.497	.624	.102	-.147	-.178	-.213	-.186
33	THUMB-TIP REACH	.337	.327		.503	.541	.035	-.098	-.116	-.162	-.104
34	THUMB-TIP, EXTENDED	.260	.286	.329		.614	.090	-.094	-.108	-.177	-.124
35	OVERHEAD REACH	.293	.308	.214	.412		.040	-.165	-.209	-.276	-.196
36	NECK CIRCUMFERENCE	-.002	.118	.099	.156	.078		.088	.131	.081	.073
37	SHOULDER CIRCUMFERENCE	.148	.024	.135	.136	.084	.469		.635	.432	.414
38	CHEST CIRC AT SCYE	.124	.013	.133	.135	.064	.483	.867		.689	.510
39	BUST CIRCUMFERENCE	.125	.015	.125	.109	.047	.462	.795	.880		.544
40	CHEST C BELOW BUST	.113	-.001	.135	.117	.066	.446	.779	.804	.819	
41	WAIST CIRCUMFERENCE	.119	.038	.153	.135	.063	.493	.753	.770	.780	.774
42	ABDOMINAL EXT CIRC	.063	-.015	.096	.077	-.009	.401	.679	.694	.719	.698
43	HIP C-7" BLW WAIST	.060	.025	.085	.113	.024	.434	.710	.693	.698	.674
44	HIP C-9" BLW WAIST	.038	.013	.072	.114	.030	.405	.679	.652	.645	.624
45	UPPER THIGH CIRCUMFERENCE	.032	.001	.065	.100	-.007	.363	.655	.611	.615	.593
46	KNEE CIRCUMFERENCE	-.017	.025	.079	.098	.024	.358	.542	.517	.514	.506
47	CALF CIRCUMFERENCE, RIGHT	.013	-.031	.081	.110	.074	.332	.520	.471	.448	.475
49	ANKLE CIRCUMFERENCE	-.066	-.017	.036	.047	.025	.259	.337	.299	.276	.315
50	VERTICAL TRUNK CIRC	-.074	-.109	-.019	.075	.010	.386	.539	.605	.612	.563
51	VERT TRUNK CIRC, SIT	-.083	-.152	-.043	.052	.013	.363	.488	.553	.558	.506

TABLE XXX
PARTIAL CORRELATION COEFFICIENTS
WEIGHT PARTIALED OUT ABOVE DIAGONAL***STATURE PARTIALED OUT BELOW IT

		31	32	33	34	35	36	37	38	39	40
52	BUTTOCK CIRC, SIT	.068	.024	.088	.121	.046	.438	.699	.692	.695	.672
53	SCYE CIRCUMFERENCE	.169	.049	.133	.139	.074	.448	.705	.730	.690	.664
54	AXILLARY ARM CIRC	.046	-.006	.100	.103	.024	.476	.802	.799	.770	.700
55	BICEPS CIR,RELAX,R	.011	-.023	.094	.093	.025	.446	.761	.744	.725	.693
56	BICEPS CIR, FLEX,R	.023	-.007	.092	.097	.026	.446	.763	.731	.708	.685
59	ELBOW CIRC, FLEXED	.081	.109	.097	.124	.143	.287	.433	.440	.394	.382
60	FOREARM CIR, RELAX	.049	.023	.105	.133	.096	.470	.720	.683	.632	.631
61	FOREARM CIR,FLEXED	.052	.029	.108	.122	.102	.439	.691	.658	.605	.601
62	WRIST CIRCUMFERNCE	.080	.060	.141	.125	.075	.354	.494	.469	.428	.436
63	BIACROMIAL BREADTH	.043	.093	.109	.138	.152	.288	.512	.401	.294	.312
64	BIDELTOID BREADTH	.094	.025	.129	.128	.099	.478	.879	.811	.738	.717
65	CHEST BREADTH	.101	.010	.016	.145	.078	.410	.747	.745	.714	.728
66	BUSTPT-BUSTPT BRTH	.134	.028	.087	.077	.060	.295	.531	.556	.705	.531
67	WAIST BREADTH	.098	.027	.180	.107	.061	.451	.684	.686	.682	.701
68	HIP BREADTH	.021	-.009	.037	.121	.032	.320	.554	.522	.509	.491
69	THIGH-THIGH BR,SIT	.007	-.046	.024	.110	.012	.341	.584	.564	.574	.544
70	HUMERAL BREADTH, R	.039	.018	.059	.098	.049	.218	.355	.333	.311	.320
72	FEMORAL BREADTH, R	.052	-.011	-.018	.056	-.028	.168	.291	.284	.276	.292
74	CHEST DEPTH	.139	.033	.125	.106	.038	.414	.682	.742	.873	.737
75	WAIST DEPTH	.122	.015	.156	.085	.023	.423	.655	.674	.710	.691
76	ABDOMINAL EXT DPTH	.110	.030	.143	.122	.042	.407	.667	.679	.719	.694
77	BUTTOCK DEPTH	.038	.025	.120	.146	.062	.402	.646	.624	.638	.606
78	THIGH CLEARANCE	.096	.084	.033	.110	.071	.290	.498	.440	.434	.432
79	SHOULDER LENGTH	-.025	.056	.065	.121	.104	.022	.221	.134	.059	.068
80	NECK-BUST POINT L	.046	-.036	.050	.042	-.014	.271	.469	.512	.616	.441
81	STRAP LENGTH	.029	-.043	.046	.039	-.024	.390	.566	.592	.674	.510
82	INTERSCYE	.034	-.008	.135	.056	.025	.331	.647	.603	.554	.526
83	INTERSCYE, MAXIMUM	.009	.031	.071	.086	-.006	.318	.516	.516	.451	.449
84	BACK CURVATURE	.147	-.028	.098	.067	.021	.341	.622	.607	.601	.627
85	WAIST BACK	-.171	-.140	-.065	-.066	-.072	.030	-.031	-.062	-.046	-.009
86	ANTERIOR WAIST LTH	-.122	-.136	-.067	-.049	-.049	.149	.280	.275	.325	.298
87	SLEEVE INSEAM	.447	.601	.411	.360	.398	-.019	-.114	-.157	-.160	-.151
88	SPINE-TO-SCYE LGTH	-.014	-.032	.102	.021	-.047	.192	.443	.432	.380	.364
89	SPINE-TO-ELBOW LTH	.437	.175	.284	.229	.231	.192	.443	.371	.316	.318
90	SPINE-TO-WRIST LTH	.487	.468	.399	.342	.349	.226	.385	.317	.267	.278
91	HAND LENGTH	.249	.104	.221	.139	.129	-.006	.117	.062	.047	.065
92	HAND BREADTH	.085	.079	.154	.103	.062	.278	.262	.244	.212	.230
93	HAND CIRCUMFERENCE	.069	.079	.154	.083	.055	.266	.345	.354	.304	.307
94	FOOT LENGTH	.153	.238	.262	.193	.188	.151	.164	.149	.142	.151
95	FOOT BREADTH	.029	.110	.136	.133	.140	.171	.192	.172	.127	.157
96	HEAD LENGTH	.057	.010	.019	.066	.014	.087	.158	.127	.133	.124
97	HEAD BREADTH	.016	.003	.065	.002	-.002	.250	.221	.212	.230	.235
98	HEAD CIRCUMFERENCE	.051	.106	.083	.144	.094	.257	.247	.206	.207	.197
104	MENTON-TOP HEAD	-.017	.068	.084	.041	.047	.138	.098	.069	.047	.057
107	PRONASALE TO WALL	.050	.131	.122	.141	.133	.190	.211	.212	.207	.178
111	SAGITTAL CURVATURE	-.070	.052	-.024	.079	.006	.245	.106	.117	.087	.079
112	BITRAGION-CORONAL	.013	.023	.032	.050	.012	.165	.168	.147	.160	.144
115	BITRAGION BREADTH	.061	.031	.085	.047	.033	.319	.311	.301	.266	.294
121	MENTON-SELLION LTH	.017	.021	.060	.069	-.011	.132	.140	.113	.115	.116
125	GRIP STRENGTH	.046	.046	.078	.110	.082	.182	.313	.279	.222	.228

ALL ENTRIES ON THIS PAGE ARE BELOW THE DIAGONAL

TABLE XXX
PARTIAL CORRELATION COEFFICIENTS
HEIGHT PARTIALED OUT ABOVE DIAGONAL***STATURE PARTIALED OUT BELOW IT

		41	42	43	44	45	46	47	49	50	51
1	AGE	.091	.201	.071	.048	-.062	-.067	-.187	-.197	.161	.108
2	WEIGHT										
3	TRICEPS SKINFOLD	.110	.234	.226	.223	.296	.163	.073	-.051	-.119	-.158
4	SUBSCAPULAR SKINFOLD	.387	.358	.203	.075	.108	-.111	-.151	-.237	-.137	-.167
5	SUPRAILIAC SKINFOLD	.350	.296	.161	.073	.174	-.071	-.118	-.181	-.202	-.186
6	MEDIAL CALF SKINFOLD	-.017	.089	.128	.176	.234	.295	.265	.139	-.075	-.116
7	STATURE	-.335	-.345	-.313	-.283	-.396	-.103	-.189	.058	.382	.500
8	STATURE, MAXIMUM	-.338	-.351	-.322	-.285	-.399	-.104	-.192	.057	.382	.503
9	CERVICAL HEIGHT	-.321	-.359	-.339	-.290	-.396	-.109	-.211	.042	.359	.485
10	ACROMIAL HEIGHT	-.302	-.339	-.325	-.296	-.401	-.124	-.225	.025	.396	.513
11	SUPRASTERNAL HEIGHT	-.335	-.374	-.346	-.300	-.407	-.106	-.209	.041	.354	.469
12	BUST POINT HEIGHT	-.320	-.357	-.302	-.280	-.362	-.088	-.170	.055	.331	.440
13	WAIST HEIGHT	-.348	-.339	-.320	-.256	-.351	-.109	-.222	-.010	.206	.332
14	ABDOMINAL EXTENSION HT	-.319	-.421	-.321	-.276	-.334	-.101	-.184	.012	.155	.283
15	TROCHANTERIC HEIGHT	-.247	-.333	-.310	-.285	-.348	-.115	-.173	-.020	.137	.236
16	BUTTOCK HEIGHT	-.222	-.292	-.278	-.317	-.331	-.104	-.224	-.040	.057	.187
17	GLUTEAL FURROW HEIGHT	-.212	-.277	-.280	-.327	-.316	-.121	-.194	-.024	.065	.187
18	TIBIAL HEIGHT	-.257	-.293	-.289	-.260	-.282	-.082	-.178	.054	.076	.188
19	CROTCH HEIGHT	-.263	-.355	-.363	-.324	-.348	-.105	-.203	-.014	.046	.168
20	ANKLE HEIGHT	-.017	-.080	-.145	-.097	-.183	-.034	-.166	.004	.102	.132
21	LAT'L MALLEOLUS HT	-.158	-.161	-.154	-.188	-.161	.041	-.002	.083	.079	.142
22	SITTING HT, RELAXED	-.318	-.243	-.218	-.108	-.285	-.059	-.092	.113	.586	.677
23	SITTING HEIGHT	-.324	-.255	-.213	-.107	-.286	-.057	-.087	.131	.606	.701
24	EYE HEIGHT, SITTING	-.325	-.208	-.178	-.082	-.248	-.046	-.088	.109	.578	.663
25	MIDSHOULDER HT, SIT	-.231	-.187	-.158	-.085	-.240	-.069	-.130	.100	.672	.769
26	WAIST HEIGHT, SITTING	-.225	.007	-.033	.087	-.031	-.038	-.116	.016	.327	.400
27	ELBOW REST HEIGHT	-.120	-.010	.006	.072	.016	.044	-.019	.090	.497	.543
28	POPLITEAL HEIGHT	-.227	-.301	-.288	-.293	-.285	-.107	-.139	.007	.010	.124
29	BUTTOCK-POPLIT'L L	-.165	-.198	-.066	-.060	-.116	-.053	-.218	-.125	-.007	.033
30	BUTTOCK-KNEE LENGTH	-.242	-.288	-.128	-.095	-.180	-.032	-.159	-.046	.026	.091
31	ACROMION-RADIAL L	-.164	-.239	-.240	-.253	-.322	-.179	-.185	-.065	.111	.205
32	RADIAL-STYLION L	-.186	-.259	-.193	-.195	-.275	-.063	-.177	.002	.092	.147
33	THUMB-TIP REACH	-.126	-.208	-.235	-.237	-.295	-.095	-.127	-.002	.086	.157
34	THUMB-TIP, EXTENDED	-.147	-.228	-.185	-.165	-.236	-.074	-.091	.002	.166	.219
35	OVERHEAD REACH	-.264	-.340	-.299	-.266	-.390	-.113	-.132	.039	.277	.382
36	NECK CIRCUMFERENCE	.126	-.031	-.057	-.113	-.165	-.087	-.080	-.002	.053	.072
37	SHOULDER CIRCUMFERENCE	.278	.119	-.003	-.088	-.058	-.266	-.170	-.177	-.153	-.138
38	CHEST CIRC AT SCYE	.374	.213	.027	-.090	-.105	-.262	-.223	-.217	.009	-.013
39	BUST CIRCUMFERENCE	.403	.279	.034	-.119	-.092	-.283	-.283	-.273	-.016	-.047
40	CHEST C BELOW BUST	.405	.244	.005	-.136	-.122	-.255	-.186	-.168	-.054	-.075
41	WAIST CIRCUMFERENCE		.452	.253	-.029	-.032	-.225	-.248	-.243	-.141	-.147
42	ABDOMINAL EXT CIRC	.797		.436	.215	.148	-.120	-.201	-.230	-.073	-.100
43	HIP C-7" BLW WAIST	.781	.817		.710	.473	.088	.004	-.097	-.020	-.056
44	HIP C-9" BLW WAIST	.694	.747	.930		.594	.218	.102	-.017	.070	.018
45	UPPER THIGH CIRCUM	.658	.696	.855	.887		.295	.215	.003	-.128	-.202
46	KNEE CIRCUMFERENCE	.559	.575	.715	.749	.762		.465	.376	-.036	-.084
47	CALF CIRCUM, RIGHT	.485	.480	.635	.663	.684	.769		.567	-.106	-.153
49	ANKLE CIRCUMFERENCE	.309	.297	.419	.447	.448	.605	.718		.024	.033
50	VERTICAL TRUNK CIRC	.566	.585	.649	.674	.600	.543	.488	.351		.839
51	VERT TRUNK CIRC, SIT	.514	.530	.581	.604	.515	.456	.407	.311	.884	

TABLE XXX
PARTIAL CORRELATION COEFFICIENTS
WEIGHT PARTIALED OUT ABOVE DIAGONAL***STATURE PARTIALED OUT BELOW IT

		41	42	43	44	45	46	47	49	50	51
52	BUTTOCK CIRC, SIT	.754	.790	.923	.931	.841	.732	.632	.412	.691	.622
53	SCYE CIRCUMFERENCE	.685	.636	.642	.610	.574	.501	.450	.305	.586	.530
54	AXILLARY ARM CIRC	.749	.732	.754	.728	.713	.613	.549	.347	.634	.567
55	BICEPS CIR,RELAX,R	.717	.722	.771	.755	.750	.693	.636	.429	.632	.549
56	BICEPS CIR, FLEX,R	.706	.703	.757	.739	.737	.686	.631	.428	.605	.526
59	ELBOW CIRC, FLEXED	.395	.323	.375	.359	.348	.388	.327	.293	.316	.269
60	FOREARM CIR, RELAX	.654	.588	.675	.654	.647	.686	.656	.531	.536	.461
61	FOREARM CIR,FLEXED	.621	.554	.641	.624	.622	.653	.634	.509	.507	.437
62	WRIST CIRCUMFERNCE	.437	.350	.414	.397	.365	.488	.468	.526	.359	.330
63	BIACROMIAL BREADTH	.298	.234	.264	.279	.231	.221	.251	.209	.193	.163
64	BIDELTOID BREADTH	.715	.655	.694	.676	.646	.547	.509	.342	.540	.488
65	CHEST BREADTH	.657	.600	.596	.549	.509	.427	.404	.264	.498	.455
66	BUSTPT-BUSTPT BRTH	.543	.489	.476	.435	.433	.357	.320	.199	.384	.345
67	WAIST BREADTH	.876	.676	.685	.624	.587	.506	.450	.295	.489	.448
68	HIP BREADTH	.559	.638	.812	.878	.777	.652	.587	.395	.562	.520
69	THIGH-THIGH BR,SIT	.608	.702	.835	.887	.833	.706	.613	.389	.629	.580
70	HUMERAL BREADTH, R	.272	.236	.297	.292	.270	.353	.336	.347	.262	.256
72	FEMORAL BREADTH, R	.273	.279	.317	.325	.326	.453	.360	.330	.236	.222
74	CHEST DEPTH	.721	.680	.655	.602	.577	.485	.408	.241	.545	.498
75	WAIST DEPTH	.840	.737	.683	.618	.575	.513	.415	.249	.548	.488
76	ABDOMINAL EXT DPTH	.805	.813	.769	.706	.672	.585	.490	.284	.583	.508
77	BUTTOCK DEPTH	.687	.688	.810	.798	.782	.666	.597	.388	.628	.540
78	THIGH CLEARANCE	.451	.438	.555	.571	.637	.572	.547	.375	.351	.268
79	SHOULDER LENGTH	.064	.051	.058	.096	.076	.065	.116	.108	.011	-.001
80	NECK-BUST POINT L	.501	.492	.454	.448	.403	.339	.281	.181	.419	.388
81	STRAP LENGTH	.578	.546	.521	.500	.451	.388	.335	.206	.469	.431
82	INTERSCYE	.505	.456	.452	.415	.375	.325	.304	.203	.337	.327
83	INTERSCYE, MAXIMUM	.430	.416	.403	.395	.360	.309	.269	.205	.282	.286
84	BACK CURVATURE	.567	.518	.519	.475	.436	.380	.372	.234	.394	.395
85	WAIST BACK	.023	-.063	-.029	-.029	-.052	.006	.055	.101	.168	.227
86	ANTERIOR WAIST LTH	.305	.224	.228	.202	.199	.198	.193	.163	.392	.341
87	SLEEVE INSEAM	-.112	-.180	-.153	-.151	-.144	-.120	-.103	-.079	-.326	-.337
88	SPINE-TO-SCYE LGTH	.317	.291	.288	.269	.256	.235	.206	.154	.212	.216
89	SPINE-TO-ELBOW LTH	.275	.246	.259	.262	.232	.200	.228	.131	.094	.083
90	SPINE-TO-WRIST LTH	.252	.185	.222	.213	.191	.173	.181	.109	.013	-.013
91	HAND LENGTH	.063	-.005	.022	.002	.003	.040	.073	.084	-.064	-.070
92	HAND BREADTH	.187	.156	.171	.160	.155	.209	.236	.277	.136	.116
93	HAND CIRCUMFERENCE	.298	.215	.257	.242	.242	.317	.319	.366	.260	.224
94	FOOT LENGTH	.183	.086	.153	.151	.119	.205	.221	.279	.052	.040
95	FOOT BREADTH	.178	.121	.193	.194	.178	.252	.306	.328	.140	.108
96	HEAD LENGTH	.066	.051	.098	.112	.114	.100	.127	.098	.071	.039
97	HEAD BREADTH	.241	.239	.217	.204	.201	.203	.174	.132	.148	.130
98	HEAD CIRCUMFERENCE	.209	.154	.204	.217	.202	.223	.213	.174	.159	.104
104	MENTON-TOP HEAD	.038	-.016	.040	.054	.045	.096	.107	.108	.045	-.004
107	PRONASALE TO WALL	.171	.117	.186	.182	.169	.176	.176	.157	.176	.125
111	SAGITTAL CURVATURE	.054	.048	.067	.100	.068	.084	.083	.086	.138	.110
112	BITRAGION-CORONAL	.168	.129	.141	.138	.138	.153	.137	.103	.085	.067
115	BITRAGION BREADTH	.309	.276	.273	.263	.234	.272	.237	.204	.208	.183
121	MENTON-SELLION LTH	.107	.068	.095	.094	.077	.104	.082	.078	.105	.075
125	GRIP STRENGTH	.192	.134	.170	.169	.174	.165	.196	.178	.144	.132

ALL ENTRIES ON THIS PAGE ARE BELOW THE DIAGONAL

TABLE XXX
PARTIAL CORRELATION COEFFICIENTS
WEIGHT PARTIALED OUT ABOVE DIAGONAL***STATURE PARTIALED OUT BELOW IT

		52	53	54	55	56	59	60	61	62	63
1	AGE	.180	.144	.103	.187	.196	.005	.025	.002	-.057	.045
2	WEIGHT										
3	TRICEPS SKINFOLD	.169	.063	.397	.498	.444	-.062	.164	.144	-.126	-.210
4	SUBSCAPULAR SKINFOLD	.110	.181	.465	.363	.309	-.063	.057	.050	-.145	-.173
5	SUPRAILIAC SKINFOLD	.071	.069	.354	.243	.200	-.052	.019	.037	-.103	-.209
6	MEDIAL CALF SKINFOLD	.128	-.068	.110	.243	.201	-.033	.080	.069	-.076	-.183
7	STATURE	-.279	-.091	-.501	-.567	-.531	.154	-.243	-.203	.169	.262
8	STATURE, MAXIMUM	-.280	-.091	-.502	-.570	-.533	.153	-.245	-.205	.171	.261
9	CERVICALE HEIGHT	-.279	-.087	-.498	-.567	-.532	.155	-.244	-.202	.157	.252
10	ACROMIAL HEIGHT	-.266	-.040	-.501	-.555	-.517	.160	-.229	-.198	.150	.199
11	SUPRASTERNAL HT	-.284	-.082	-.489	-.551	-.511	.167	-.221	-.183	.166	.249
12	BUSTPOINT HEIGHT	-.273	-.087	-.473	-.530	-.501	.163	-.203	-.170	.148	.241
13	WAIST HEIGHT	-.238	-.080	-.469	-.538	-.507	.139	-.246	-.212	.116	.216
14	ABDOMINAL EXTEN HT	-.280	-.087	-.472	-.532	-.486	.167	-.212	-.165	.128	.220
15	TROCHANTERIC H'GHT	-.247	-.067	-.464	-.494	-.463	.173	-.200	-.171	.102	.225
16	BUTTOCK HEIGHT	-.266	-.071	-.419	-.491	-.448	.149	-.222	-.179	.103	.171
17	GLUTEAL FURROW HGT	-.305	-.052	-.406	-.467	-.435	.160	-.189	-.151	.087	.197
18	TIBIALE HEIGHT	-.255	-.065	-.392	-.472	-.437	.151	-.179	-.132	.122	.201
19	CROTCH HEIGHT	-.298	-.080	-.446	-.505	-.469	.162	-.207	-.167	.116	.213
20	ANKLE HEIGHT	-.083	.061	-.054	-.157	-.155	.088	-.042	-.032	.106	.128
21	LAT'L MALLEOLUS HT	-.196	-.041	-.158	-.198	-.174	.096	-.049	-.039	.143	.047
22	SITTING HT, RELAXED	-.124	-.059	-.323	-.389	-.372	.067	-.177	-.154	.161	.195
23	SITTING HEIGHT	-.134	-.064	-.340	-.404	-.388	.075	-.176	-.153	.174	.192
24	EYE HEIGHT, SITTING	-.098	-.049	-.302	-.370	-.353	.054	-.186	-.159	.160	.150
25	MIDSHOULDER HT, SIT	-.090	.013	-.290	-.346	-.330	.059	-.146	-.143	.129	.102
26	WAIST HGHT, SITTING	.081	.043	-.055	-.136	-.147	-.004	-.130	-.122	.022	.009
27	ELBOW REST HEIGHT	.043	-.014	-.085	-.068	-.066	-.037	-.075	-.068	.025	-.189
28	POPLITEAL HEIGHT	-.273	-.080	-.379	-.431	-.388	.147	-.143	-.112	.161	.178
29	BUTTOCK-POPLIT'L L	-.076	-.094	-.300	-.324	-.297	.049	-.223	-.193	-.041	.090
30	BUTTOCK-KNEE LGTH	-.112	-.121	-.400	-.408	-.377	.106	-.216	-.178	.022	.127
31	ACROMION-RADIALE L	-.208	.053	-.366	-.457	-.417	.131	-.190	-.155	.136	.178
32	RADIALE-STYLION L	-.176	-.026	-.342	-.407	-.363	.175	-.149	-.117	.140	.223
33	THUMB-TIP REACH	-.216	-.010	-.295	-.345	-.325	.116	-.138	-.107	.159	.197
34	THUMB-TIP, EXTENDED	-.156	-.004	-.279	-.333	-.306	.134	-.097	-.086	.135	.212
35	OVERHEAD REACH	-.246	-.054	-.436	-.491	-.460	.197	-.157	-.119	.162	.289
36	NECK CIRCUMFERENCE	-.060	.116	.073	-.008	.001	.069	.109	.079	.110	.142
37	SHOULDER CIRCUMFER	-.078	.266	.413	.267	.281	.071	.229	.207	.065	.352
38	CHEST CIRC AT SCYE	-.012	.355	.455	.285	.256	.089	.178	.168	.030	.148
39	BUST CIRCUMFERENCE	-.013	.248	.389	.245	.207	-.009	.041	.034	-.067	-.049
40	CHEST C BELOW BUST	-.036	.217	.218	.174	.160	.000	.070	.054	-.016	.011
41	WAIST CIRCUMFERNCE	.125	.207	.295	.177	.150	-.024	.052	.031	-.073	-.054
42	ABDOMINAL EXT CIRC	.323	.123	.299	.250	.203	-.137	-.064	-.086	-.214	-.150
43	HIP C-7" BLW WAIST	.654	-.013	.168	.177	.140	-.120	-.039	-.054	-.203	-.152
44	HIP C-9" BLW WAIST	.702	-.089	.092	.136	.092	-.140	-.088	-.088	-.222	-.105
45	UPPER THIGH CIRCUM	.395	-.119	.167	.242	.208	-.148	-.012	-.009	-.262	-.204
46	KNEE CIRCUMFERENCE	.124	-.181	-.083	.086	.080	.034	.174	.149	.107	-.097
47	CALF CIRCUM, RIGHT	-.033	-.184	-.076	.100	.094	-.044	.205	.196	.093	-.042
49	ANKLE CIRCUMFERNCE	-.126	-.126	-.185	-.058	-.050	.086	.219	.200	.352	.061
50	VERTICAL TRUNK CIR	.098	.111	-.084	-.145	-.177	.060	-.122	-.115	.051	.051
51	VERT TRUNK CIR, SIT	.049	.089	-.153	-.239	-.256	.068	-.160	-.143	.093	.088

ALL ENTRIES ON THIS PAGE ARE ABOVE THE DIAGONAL

TABLE XXX
PARTIAL CORRELATION COEFFICIENTS
WEIGHT PARTIALED OUT ABOVE DIAGONAL***STATURE PARTIALED OUT BELOW IT

	52	53	54	55	56	59	60	61	62	63
52 BUTTOCK CIRC, SIT		-.031	.083	.108	.072	-.107	-.115	-.106	-.239	-.123
53 SCYE CIRCUMFERENCE	.644		.501	.309	.292	.179	.267	.249	.164	-.027
54 AXILLARY ARM CIRC	.742	.815		.699	.637	.046	.341	.298	-.028	-.079
55 BICEPS CIR, RELAX, R	.764	.746	.888		.915	.114	.488	.445	-.027	-.181
56 BICEPS CIR, FLEX, R	.750	.735	.865	.969		.189	.524	.499	.026	-.163
59 ELBOW CIRC, FLEXED	.383	.456	.456	.507	.540		.374	.599	.304	.109
60 FOREARM CIR, RELAX	.664	.693	.759	.825	.835	.595		.814	.402	.029
61 FOREARM CIR, FLEXED	.635	.667	.726	.795	.812	.724	.923		.375	.028
62 WRIST CIRCUMFERENCE	.404	.500	.483	.501	.521	.459	.664	.640		.144
63 BIACROMIAL BREADTH	.277	.245	.314	.271	.274	.213	.324	.308	.262	
64 BIDELOID BREADTH	.683	.674	.781	.734	.731	.407	.683	.653	.461	.550
65 CHEST BREADTH	.586	.576	.614	.599	.595	.327	.560	.530	.385	.391
66 BUSTPT-BUSTPT BRTH	.482	.456	.512	.487	.487	.284	.445	.419	.314	.166
67 WAIST BREADTH	.667	.613	.659	.636	.622	.353	.597	.565	.410	.299
68 HIP BREADTH	.821	.484	.594	.634	.612	.277	.526	.504	.299	.242
69 THIGH-THIGH BR, SIT	.870	.529	.647	.696	.673	.280	.558	.535	.286	.234
70 HUMERAL BREADTH, R	.290	.353	.337	.376	.394	.354	.518	.484	.511	.197
72 FEMORAL BREADTH, R	.328	.283	.298	.333	.339	.237	.368	.356	.360	.110
74 CHEST DEPTH	.649	.622	.692	.670	.661	.331	.567	.539	.397	.174
75 WAIST DEPTH	.704	.617	.671	.652	.642	.346	.572	.542	.388	.214
76 ABDOMINAL EXT DPTH	.777	.627	.708	.710	.692	.325	.594	.558	.368	.213
77 BUTTOCK DEPTH	.806	.597	.696	.706	.696	.359	.625	.596	.385	.211
78 THIGH CLEARANCE	.544	.438	.518	.542	.552	.311	.515	.496	.361	.156
79 SHOULDER LENGTH	.067	.005	.088	.064	.054	.063	.095	.100	.104	.544
80 NECK-BUST POINT L	.483	.441	.482	.458	.456	.206	.372	.362	.285	.173
81 STRAP LENGTH	.537	.511	.560	.536	.536	.262	.458	.447	.339	.245
82 INTERSCYE	.442	.413	.463	.443	.438	.249	.426	.414	.294	.386
83 INTERSCYE, MAXIMUM	.410	.415	.431	.398	.407	.210	.388	.377	.293	.311
84 BACK CURVATURE	.499	.489	.509	.494	.495	.248	.468	.438	.335	.253
85 WAIST BACK	-.046	-.036	-.038	-.011	-.007	.015	.035	.038	.084	.017
86 ANTERIOR WAIST LTH	.212	.238	.293	.278	.279	.148	.245	.250	.204	.073
87 SLEEVE INSEAM	-.154	-.163	-.194	-.221	-.206	-.025	-.129	-.129	-.052	.102
88 SPINE-TO-SCYE LGTH	.297	.304	.325	.310	.308	.178	.318	.305	.244	.303
89 SPINE-TO-ELBOW LTH	.272	.288	.282	.249	.255	.152	.294	.267	.239	.430
90 SPINE-TO-WRIST LTH	.228	.271	.232	.201	.214	.197	.284	.258	.253	.406
91 HAND LENGTH	.019	.097	.008	.035	.072	.168	.160	.160	.299	.127
92 HAND BREADTH	.178	.278	.216	.238	.269	.244	.361	.343	.487	.183
93 HAND CIRCUMFERENCE	.255	.416	.360	.368	.397	.389	.512	.514	.651	.237
94 FOOT LENGTH	.169	.170	.102	.119	.134	.196	.242	.224	.336	.172
95 FOOT BREADTH	.197	.191	.157	.175	.189	.212	.284	.273	.361	.195
96 HEAD LENGTH	.112	.085	.097	.127	.136	.124	.158	.157	.129	.111
97 HEAD BREADTH	.210	.183	.209	.203	.195	.084	.208	.196	.143	.132
98 HEAD CIRCUMFERENCE	.216	.156	.185	.199	.206	.144	.251	.235	.183	.191
104 MENTON-TOP HEAD	.052	.058	.043	.070	.078	.105	.131	.126	.087	.163
107 PRONASALE TO WALL	.191	.175	.176	.195	.195	.171	.235	.215	.165	.165
111 SAGITTAL CURVATURE	.095	.084	.092	.094	.092	.072	.113	.103	.038	.117
112 BITRAGON-CORONAL	.149	.122	.136	.160	.165	.089	.179	.178	.144	.087
115 BITRAGON BREADTH	.272	.252	.268	.279	.282	.164	.313	.295	.287	.216
121 MENTON-SELLION LTH	.114	.095	.096	.105	.124	.116	.149	.135	.127	.167
125 GRIP STRENGTH	.170	.281	.245	.256	.290	.264	.367	.367	.311	.235

TABLE XXX
PARTIAL CORRELATION COEFFICIENTS
WEIGHT PARTIALED OUT ABOVE DIAGONAL***STATURE PARTIALED OUT BELOW IT

		64	65	66	67	68	69	70	72	74	75
1	AGE	.083	.108	.035	-.040	.036	.162	.021	.008	.193	.189
2	WEIGHT										
3	TRICEPS SKINFOLD	.110	-.029	.011	.022	.137	.247	-.176	-.012	.125	.109
4	SUBSCAPULAR SKINFOLD	.213	.130	.125	.193	-.019	.066	-.267	-.096	.347	.345
5	SUPRAILIAIC SKINFOLD	.133	.027	.150	.242	-.009	.048	-.169	-.062	.266	.250
6	MEDIAL CALF SKINFOLD	-.061	-.102	-.071	-.024	.144	.225	-.123	.011	-.019	.012
7	STATURE	-.242	-.157	-.148	-.147	-.115	-.337	.280	.107	-.299	-.349
8	STATURE, MAXIMUM	-.245	-.155	-.150	-.145	-.116	-.336	.282	.112	-.297	-.351
9	CERVICALE HEIGHT	-.252	-.171	-.149	-.134	-.126	-.338	.271	.110	-.279	-.330
10	ACROMIAL HEIGHT	-.236	-.123	-.131	-.121	-.142	-.340	.265	.102	-.264	-.313
11	SUPRASTERNALE HGHT	-.245	-.161	-.126	-.150	-.143	-.358	.282	.109	-.280	-.335
12	BUSTPOINT HEIGHT	-.231	-.140	-.158	-.149	-.135	-.340	.256	.088	-.297	-.334
13	WAIST HEIGHT	-.235	-.172	-.114	-.159	-.116	-.328	.239	.088	-.231	-.314
14	ABDOMINAL EXTEN HT	-.229	-.165	-.101	-.129	-.138	-.360	.258	.098	-.243	-.341
15	TROCHANTERIC H'GHT	-.216	-.149	-.103	-.102	-.139	-.335	.199	.043	-.217	-.250
16	BUTTOCK HEIGHT	-.205	-.153	-.086	-.068	-.193	-.360	.179	.077	-.191	-.232
17	GLUTEAL FURROW HGT	-.196	-.136	-.085	-.066	-.179	-.374	.189	.060	-.185	-.251
18	TIBIALE HEIGHT	-.158	-.141	-.085	-.100	-.132	-.327	.215	.118	-.195	-.276
19	CROTCH HEIGHT	-.221	-.145	-.098	-.092	-.186	-.370	.211	.088	-.214	-.283
20	ANKLE HEIGHT	.016	-.051	-.059	.037	-.048	-.135	.083	.039	-.023	-.049
21	LAT'L MALLEOLUS HT	-.124	-.098	-.032	-.108	-.142	-.204	.209	.168	-.083	-.140
22	SITTING HT, RELAXED	-.168	-.108	-.142	-.152	.012	-.128	.230	.100	-.266	-.290
23	SITTING HEIGHT	-.180	-.096	-.161	-.164	.015	-.125	.245	.103	-.280	-.304
24	EYE HEIGHT, SITTING	-.170	-.062	-.142	-.192	.045	-.086	.235	.143	-.240	-.292
25	MIDSHOULDER HT, SIT	-.156	-.087	-.186	-.078	.005	-.091	.179	.034	-.227	-.200
26	WAIST HGHT, SITTING	-.059	.003	-.080	-.234	.105	.089	.087	.065	-.061	-.093
27	ELBOW REST HEIGHT	-.107	-.008	-.108	-.068	.100	.127	.070	.070	-.090	-.077
28	POPLITEAL HEIGHT	-.159	-.158	-.065	-.059	-.176	-.354	.201	.073	-.178	-.232
29	BUTTOCK-POPLIT'L L	-.165	-.129	-.080	-.110	-.018	-.170	.078	.018	-.139	-.153
30	BUTTOCK-KNEE LNGTH	-.216	-.178	-.118	-.139	-.018	-.208	.128	.031	-.206	-.235
31	ACROMION-RADIALE L	-.133	-.064	-.021	-.064	-.129	-.300	.183	.082	-.117	-.169
32	RADIALE-STYLION L	-.145	-.107	-.080	-.085	-.108	-.292	.171	.042	-.169	-.220
33	THUMB-TIP REACH	-.104	-.173	-.072	.018	-.142	-.296	.158	-.006	-.137	-.127
34	THUMB-TIP, EXTENDED	-.102	-.024	-.080	-.074	-.039	-.177	.181	.055	-.154	-.208
35	OVERHEAD REACH	-.153	-.101	-.104	-.111	-.109	-.312	.238	.050	-.254	-.306
36	NECK CIRCUMFERENCE	.130	.093	-.001	.118	-.102	-.130	.032	-.036	.040	.048
37	SHOULDER CIRCUMFER	.676	.468	.157	.222	-.108	-.114	.012	-.074	.219	.149
38	CHEST CIRC AT SCYE	.521	.477	.229	.259	-.129	-.096	-.023	-.070	.402	.243
39	BUST CIRCUMFERENCE	.332	.407	.516	.241	-.170	-.069	-.084	-.098	.710	.330
40	CHEST C BELOW BUST	.300	.449	.191	.310	-.172	-.116	-.034	-.045	.403	.297
41	WAIST CIRCUMFERNCE	.237	.261	.187	.699	-.096	-.033	-.168	-.121	.327	.622
42	ABDOMINAL EXT CIRC	.124	.162	.101	.231	.139	.259	-.212	-.092	.263	.397
43	HIP C-7" BLW WAIST	.050	.028	-.034	.127	.515	.515	-.170	-.090	.044	.124
44	HIP C-9" BLW WAIST	.013	-.087	-.122	-.040	.711	.680	-.161	-.059	-.098	-.055
45	UPPER THIGH CIRCUM	.009	-.112	-.065	-.066	.427	.550	-.210	-.049	-.063	-.064
46	KNEE CIRCUMFERENCE	-.164	-.217	-.165	-.167	.184	.232	.066	.249	-.224	-.166
47	CALF CIRCUM, RIGHT	-.120	-.158	-.149	-.177	.116	.123	.034	.100	-.256	-.244
49	ANKLE CIRCUMFERNCE	-.124	-.136	-.137	-.148	.028	-.051	.202	.173	-.259	-.253
50	VERTICAL TRUNK CIR	-.100	-.009	-.071	-.096	.059	.030	.110	.001	-.068	-.092
51	VERT TRUNK CIR, SIT	-.103	-.014	-.075	-.073	.062	-.003	.171	.040	-.085	-.133

ALL ENTRIES ON THIS PAGE ARE ABOVE THE DIAGONAL

TABLE XXX
PARTIAL CORRELATION COEFFICIENTS
WEIGHT PARTIALED OUT ABOVE DIAGONAL***STATURE PARTIALED OUT BELOW IT

		64	65	66	67	68	69	70	72	74	75
52	BUTTOCK CIRC, SIT	-.017	-.022	-.041	.051	.541	.620	-.186	-.070	-.006	.160
53	SCYE CIRCUMFERENCE	.234	.162	.072	.155	-.121	-.107	.088	-.012	.165	.146
54	AXILLARY ARM CIRC	.410	.164	.129	.150	-.012	.100	-.111	-.102	.276	.236
55	BICEPS CIR,RELAX,R	.265	.109	.064	.065	.050	.200	-.075	-.063	.202	.173
56	BICEPS CIR, FLEX,R	.263	.105	.067	.040	.005	.143	-.029	-.044	.185	.150
59	ELBOW CIRC, FLEXED	.042	.000	.006	-.000	-.116	-.200	.251	.089	-.070	-.059
60	FOREARM CIR, RELAX	.190	.075	.012	.047	-.121	-.117	.293	.078	-.015	-.004
61	FOREARM CIR,FLEXED	.167	.053	-.004	.025	-.109	-.110	.250	.080	-.025	-.020
62	WRIST CIRCUMFERENCE	.028	.006	-.015	-.002	-.184	-.314	.421	.212	-.064	-.094
63	BIACROMIAL BREADTH	.400	.184	-.070	.038	-.037	-.140	.148	.007	-.197	-.153
64	BIDELTOID BREADTH		.419	.088	.207	.015	.002	-.042	-.113	.099	.128
65	CHEST BREADTH	.716		.146	.173	-.062	-.005	-.006	.049	.149	.110
66	BUSTPT-BUSTPT BRTH	.480	.465		.069	-.145	-.075	-.014	-.036	.435	.137
67	WAIST BREADTH	.659	.579	.451		-.037	-.052	-.070	-.099	.141	.318
68	HIP BREADTH	.577	.461	.331	.521		.701	-.068	.014	-.141	-.120
69	THIGH-THIGH BR,SIT	.598	.515	.390	.547	.877		-.206	-.052	-.040	-.019
70	HUMERAL BREADTH, R	.314	.284	.238	.261	.255	.232		.301	-.091	-.204
72	FEMORAL BREADTH, R	.253	.307	.205	.233	.301	.298	.388		-.106	-.118
74	CHEST DEPTH	.608	.566	.655	.605	.475	.541	.280	.244		.331
75	WAIST DEPTH	.622	.547	.486	.691	.488	.548	.217	.242	.684	
76	ABDOMINAL EXT DPTH	.641	.572	.486	.669	.578	.657	.217	.272	.699	.856
77	BUTTOCK DEPTH	.646	.498	.429	.606	.648	.719	.237	.227	.620	.672
78	THIGH CLEARANCE	.466	.414	.300	.401	.470	.448	.267	.361	.421	.412
79	SHOULDER LENGTH	.215	.113	.027	.070	.100	.073	.068	.027	.014	.021
80	NECK-BUST POINT L	.452	.394	.461	.430	.378	.413	.184	.203	.602	.479
81	STRAP LENGTH	.540	.481	.502	.497	.413	.455	.227	.211	.634	.532
82	INTERSCYE	.607	.574	.300	.475	.323	.355	.229	.196	.444	.431
83	INTERSCYE, MAXIMUM	.509	.469	.247	.403	.333	.345	.207	.225	.360	.358
84	BACK CURVATURE	.560	.587	.318	.550	.395	.423	.201	.202	.522	.503
85	WAIST BACK	-.047	-.034	-.037	.044	-.001	.003	.051	.017	-.016	-.042
86	ANTERIOR WAIST LTH	.243	.248	.248	.256	.159	.183	.134	.132	.276	.237
87	SLEEVE INSEAM	-.106	-.161	-.088	-.094	-.125	-.178	-.090	-.110	-.112	-.133
88	SPINE-TO-SCYE LGTH	.410	.407	.194	.317	.215	.237	.221	.240	.268	.270
89	SPINE-TO-ELBOW LTH	.407	.332	.208	.272	.235	.234	.162	.134	.260	.221
90	SPINE-TO-WRIST LTH	.358	.292	.182	.257	.180	.166	.168	.108	.230	.189
91	HAND LENGTH	.070	.067	.083	.081	-.017	-.045	.246	.132	.077	.072
92	HAND BREADTH	.228	.202	.164	.204	.105	.116	.388	.201	.187	.162
93	HAND CIRCUMFERENCE	.332	.273	.243	.299	.156	.161	.455	.281	.261	.259
94	FOOT LENGTH	.162	.123	.122	.189	.112	.085	.236	.150	.156	.159
95	FOOT BREADTH	.201	.153	.122	.190	.148	.140	.233	.099	.106	.145
96	HEAD LENGTH	.120	.156	.149	.071	.082	.109	.108	.089	.117	.072
97	HEAD BREADTH	.203	.190	.152	.234	.151	.193	.111	.141	.208	.204
98	HEAD CIRCUMFERENCE	.223	.205	.169	.206	.169	.192	.117	.101	.176	.183
104	MENTON-TOP HEAD	.097	.098	.074	.038	.023	.047	.057	.005	.004	.032
107	PRONASALE TO WALL	.205	.167	.183	.149	.131	.150	.114	.029	.199	.142
111	SAGITTAL CURVATURE	.102	.117	.039	.062	.096	.119	.027	.016	.053	.068
112	BITRAGION-CORONAL	.156	.151	.112	.164	.096	.137	.085	.077	.145	.158
115	BITRAGION BREADTH	.298	.270	.173	.287	.205	.228	.179	.189	.248	.265
121	MENTON-SELLION LTH	.138	.129	.106	.104	.069	.106	.109	.080	.098	.109
125	GRIP STRENGTH	.277	.245	.155	.202	.116	.137	.269	.145	.166	.100

TABLE XXX
PARTIAL CORRELATION COEFFICIENTS
WEIGHT PARTIALED OUT ABOVE DIAGONAL***STATURE PARTIALED OUT BELOW IT

		76	77	78	79	80	81	82	83	84	85
1	AGE	.188	-.027	-.246	-.036	.230	.244	.091	.058	.039	-.061
2	WEIGHT										
3	TRICEPS SKINFOLD	.206	.248	-.012	-.162	.033	.033	-.025	-.053	-.005	-.205
4	SUBSCAPULAR SKINFOLD	.377	.251	-.127	-.154	.123	.126	.089	.018	.135	-.257
5	SUPRAILIAIC SKINFOLD	.268	.143	.002	-.152	.131	.101	.042	.014	.005	-.177
6	MEDIAL CALF SKINFOLD	.121	.182	.073	-.147	-.061	-.092	-.105	-.129	-.008	-.108
7	STATURE	-.412	-.380	.086	.270	-.058	-.039	-.135	.081	-.129	.528
8	STATURE, MAXIMUM	-.413	-.379	.094	.270	-.056	-.041	-.132	.083	-.127	.532
9	CERVICALE HEIGHT	-.394	-.371	.104	.279	-.056	-.060	-.138	.090	-.134	.558
10	ACROMIAL HEIGHT	-.375	-.350	.084	.156	-.085	-.088	-.129	.072	-.098	.492
11	SUPRASTERNALE HGHT	-.405	-.365	.102	.252	-.086	-.066	-.145	.054	-.143	.483
12	BUSTPOINT HEIGHT	-.377	-.339	.117	.217	-.315	-.306	-.152	.033	-.132	.441
13	WAIST HEIGHT	-.345	-.304	.147	.239	-.084	-.098	-.137	.065	-.144	.298
14	ABDOMINAL EXTEN HT	-.405	-.325	.166	.238	-.114	-.120	-.141	.049	-.128	.336
15	TROCHANTERIC H'GHT	-.280	-.258	.161	.233	-.135	-.136	-.142	-.018	-.099	.277
16	BUTTOCK HEIGHT	-.246	-.248	.174	.175	-.093	-.095	-.113	.050	-.083	.249
17	GLUTEAL FURROW HGT	-.280	-.301	.159	.216	-.108	-.117	-.112	.052	-.101	.271
18	TIBIALE HEIGHT	-.315	-.264	.171	.221	-.048	-.078	-.090	.146	-.156	.253
19	CROTCH HEIGHT	-.307	-.297	.198	.231	-.123	-.142	-.125	.050	-.122	.283
20	ANKLE HEIGHT	-.076	-.090	-.010	.088	.050	.009	.044	.193	-.119	.120
21	LAT'L MALLEOLUS HT	-.165	-.192	.080	.011	-.043	-.006	-.059	.001	-.043	.174
22	SITTING HT,RELAXED	-.378	-.315	-.063	.203	.041	.076	-.101	.085	-.101	.564
23	SITTING HEIGHT	-.381	-.309	-.038	.207	.024	.064	-.085	.073	-.088	.614
24	EYE HEIGHT,SITTING	-.334	-.295	.023	.195	.058	.084	-.069	.096	-.074	.551
25	MIDSHOULDER HT,SIT	-.284	-.226	-.073	.112	.027	.028	-.044	.072	-.040	.597
26	WAIST HGHT,SITTING	-.100	-.067	-.019	.044	.060	.066	-.034	.081	-.048	.020
27	ELBOW REST HEIGHT	-.096	-.044	-.050	-.146	.049	.042	-.043	.027	.005	.339
28	POPLITEAL HEIGHT	-.288	-.269	.180	.175	-.105	-.118	-.111	.063	-.089	.226
29	BUTTOCK-POPLIT'L L	-.097	-.019	.128	.090	-.124	-.134	-.109	-.002	-.104	.092
30	BUTTOCK-KNEE LNGTH	-.172	-.035	.191	.160	-.147	-.174	-.160	-.013	-.135	.169
31	ACROMION-RADIALE L	-.226	-.295	.091	.149	-.041	-.052	-.101	.022	.002	.230
32	RADIALE-STYLION L	-.242	-.229	.117	.201	-.085	-.087	-.104	.062	-.123	.218
33	THUMB-TIP REACH	-.183	-.197	-.012	.189	-.053	-.060	-.011	.052	-.051	.243
34	THUMB-TIP,EXTENDED	-.202	-.153	.065	.226	-.064	-.072	-.087	.061	-.084	.220
35	OVERHEAD REACH	-.346	-.301	.090	.273	-.082	-.081	-.117	.039	-.118	.388
36	NECK CIRCUMFERENCE	-.035	-.047	-.053	-.030	-.002	.116	.083	.107	.056	.046
37	SHOULDER CIRCUMFER	.071	-.005	-.074	.165	.081	.159	.464	.243	.325	-.148
38	CHEST CIRC AT SCYE	.166	.009	-.163	.011	.184	.231	.381	.243	.308	-.206
39	BUST CIRCUMFERENCE	.275	.047	-.192	-.124	.374	.388	.290	.113	.294	-.217
40	CHEST C BELOW BUST	.225	-.010	-.154	-.085	.063	.083	.244	.132	.354	-.127
41	WAIST CIRCUMFERNCE	.467	.129	-.196	-.122	.141	.178	.186	.061	.211	-.120
42	ABDOMINAL EXT CIRC	.521	.186	-.182	-.139	.142	.132	.109	.049	.134	-.246
43	HIP C-7" BLW WAIST	.257	.382	-.047	-.146	-.019	-.022	.015	-.040	.039	-.185
44	HIP C-9" BLW WAIST	.064	.348	.012	-.061	-.022	-.061	-.064	-.047	-.057	-.170
45	UPPER THIGH CIRCUM	.073	.370	.182	-.124	-.080	-.129	-.096	-.102	-.089	-.263
46	KNEE CIRCUMFERENCE	-.115	.086	.145	-.049	-.139	-.168	-.145	-.105	-.144	-.025
47	CALF CIRCUM, RIGHT	-.189	.048	.135	.008	-.174	-.189	-.109	-.131	-.078	-.014
49	ANKLE CIRCUMFERNCE	-.272	-.082	.084	.080	-.123	-.148	-.092	-.034	-.098	.140
50	VERTICAL TRUNK CIR	-.123	-.020	-.107	.032	.061	.073	-.085	-.020	-.063	.398
51	VERT TRUNK CIR,SIT	-.187	-.117	-.117	.070	.059	.072	-.053	.049	-.010	.485

ALL ENTRIES ON THIS PAGE ARE ABOVE THE DIAGONAL

TABLE XXX
PARTIAL CORRELATION COEFFICIENTS
WEIGHT PARTIALED OUT ABOVE DIAGONAL***STATURE PARTIALED OUT BELOW IT

	76	77	78	79	80	81	82	83	84	85
52 BUTTOCK CIRC, SIT	.257	.342	-.090	-.122	.039	.005	-.028	-.030	-.028	-.199
53 SCYE CIRCUMFERENCE	.085	.005	-.065	-.123	.094	.125	.059	.115	.115	-.076
54 AXILLARY ARM CIRC	.241	.187	-.081	-.130	.096	.123	.108	.034	.095	-.294
55 BICEPS CIR,RELAX,R	.223	.187	-.067	-.190	.031	.050	.057	-.050	.045	-.292
56 BICEPS CIR, FLEX,R	.177	.162	-.032	-.195	.033	.058	.050	-.025	.053	-.266
59 ELBOW CIRC, FLEXED	-.154	-.092	.043	.060	-.056	-.025	-.007	.011	-.046	.104
60 FOREARM CIR, RELAX	-.063	.002	-.003	-.042	-.082	-.037	.050	.016	.034	-.059
61 FOREARM CIR,FLEXED	-.088	-.008	.005	-.021	-.063	-.017	.053	.024	.010	-.039
62 WRIST CIRCUMFERENCE	-.205	-.174	.047	.103	-.007	.017	-.003	.074	.010	.183
63 BIACROMIAL BREADTH	-.210	-.208	-.052	.577	-.020	.046	.216	.201	.037	.159
64 BIDELTOID BREADTH	.080	.078	-.091	.144	.079	.137	.390	.237	.220	-.169
65 CHEST BREADTH	.093	-.078	-.043	.017	.063	.127	.364	.223	.333	-.106
66 BUSTPT-BUSTPT BRTH	.091	-.030	-.110	-.076	.233	.243	.021	-.035	-.005	-.104
67 WAIST BREADTH	.202	.044	-.143	-.046	.075	.099	.170	.089	.228	-.005
68 HIP BREADTH	-.018	.140	-.005	.007	-.013	-.052	-.090	-.022	-.050	-.044
69 THIGH-THIGH BR,SIT	.143	.284	-.145	-.101	.003	-.036	-.066	-.067	-.039	-.154
70 HUMERAL BREADTH, R	-.270	-.232	.061	.106	-.035	-.011	.001	.061	-.061	.199
72 FEMORAL BREADTH, R	-.121	-.201	.172	.017	-.007	-.033	-.021	.066	-.045	.078
74 CHEST DEPTH	.305	.104	-.135	-.168	.365	.338	.124	-.006	.181	-.159
75 WAIST DEPTH	.674	.232	-.164	-.172	.150	.146	.102	-.019	.146	-.218
76 ABDOMINAL EXT DPTH		.366	-.090	-.203	.087	.057	.096	-.044	.124	-.310
77 BUTTOCK DEPTH	.758		.041	-.172	-.030	-.036	.007	-.122	.010	-.252
78 THIGH CLEARANCE	.494	.558		.009	-.114	-.155	-.076	-.015	-.091	-.022
79 SHOULDER LENGTH	.023	.038	.052		.167	.065	.104	.176	-.119	.195
80 NECK-BUST POINT L	.468	.409	.263	.213		.848	.087	.144	-.004	-.013
81 STRAP LENGTH	.515	.472	.287	.123	.893		.163	.145	.070	-.011
82 INTERSCYE	.451	.407	.288	.177	.334	.423		.377	.334	-.006
83 INTERSCYE, MAXIMUM	.373	.331	.277	.188	.357	.383	.538		.125	.046
84 BACK CURVATURE	.517	.463	.320	-.013	.301	.394	.528	.368		-.014
85 WAIST BACK	-.084	-.053	-.074	.062	.007	-.003	.056	-.005	.041	
86 ANTERIOR WAIST LTH	.224	.195	.125	.004	.219	.280	.151	.111	.190	.256
87 SLEEVE INSEAM	-.125	-.098	-.058	.173	-.155	-.202	-.067	-.041	-.143	-.108
88 SPINE-TO-SCYE LGTH	.280	.216	.235	.148	.261	.296	.538	.458	.339	.013
89 SPINE-TO-ELBOW LTH	.235	.214	.171	.308	.190	.221	.357	.312	.319	-.069
90 SPINE-TO-WRIST LTH	.195	.202	.186	.275	.121	.148	.300	.273	.265	-.118
91 HAND LENGTH	.042	.010	.120	.127	.058	.035	.012	-.005	.055	-.028
92 HAND BREADTH	.151	.145	.188	.075	.149	.170	.144	.161	.186	.032
93 HAND CIRCUMFERENCE	.230	.231	.279	.074	.197	.238	.179	.193	.197	.060
94 FOOT LENGTH	.154	.156	.174	.138	.101	.096	.097	.097	.121	-.019
95 FOOT BREADTH	.159	.185	.170	.087	.030	.065	.087	.039	.107	-.001
96 HEAD LENGTH	.087	.111	.116	.063	.051	.077	.087	.034	.081	-.044
97 HEAD BREADTH	.217	.149	.135	.014	.176	.196	.148	.138	.182	-.050
98 HEAD CIRCUMFERENCE	.193	.233	.202	.106	.116	.156	.153	.078	.138	-.032
104 MENTON-TOP HEAD	.029	.083	.031	.057	-.020	.035	.076	-.038	.008	-.044
107 PRONASALE TO WALL	.165	.202	.139	.119	.092	.105	.127	.065	.096	-.006
111 SAGITTAL CURVATURE	.074	.101	.033	.053	.054	.067	.094	.050	.033	.019
112 BITRAGON-CORONAL	.163	.159	.130	.016	.119	.138	.119	.077	.099	-.011
115 BITRAGON BREADTH	.243	.197	.160	.062	.180	.222	.196	.192	.223	-.044
121 MENTON-SELLION LTH	.103	.064	.046	.072	.098	.131	.096	.077	.066	-.003
125 GRIP STRENGTH	.079	.168	.140	.090	.134	.174	.200	.201	.200	.062

TABLE XXX
PARTIAL CORRELATION COEFFICIENTS
WEIGHT PARTIALED OUT ABOVE DIAGONAL***STATURE PARTIALED OUT BELOW IT

		86	87	88	89	90	91	92	93	94	95
1	AGE	-.064	-.158	.062	.001	-.061	-.006	.053	.032	-.069	-.090
2	WEIGHT										
3	TRICEPS SKINFOLD	-.078	-.296	-.100	-.245	-.310	-.300	-.263	-.202	-.365	-.243
4	SUBSCAPULAR SKINFOLD	-.085	-.308	-.060	-.269	-.321	-.309	-.253	-.217	-.351	-.239
5	SUPRAILIAC SKINFOLD	-.013	-.254	-.023	-.228	-.276	-.231	-.215	-.169	-.281	-.217
6	MEDIAL CALF SKINFOLD	-.031	-.181	-.135	-.220	-.256	-.240	-.176	-.164	-.257	-.130
7	STATURE	.283	.683	.040	.541	.654	.508	.205	.138	.577	.188
8	STATURE, MAXIMUM	.283	.685	.042	.542	.657	.512	.207	.140	.583	.187
9	CERVICAL HEIGHT	.253	.710	.033	.536	.666	.511	.197	.131	.582	.173
10	ACROMIAL HEIGHT	.247	.678	.036	.508	.646	.495	.192	.131	.561	.173
11	SUPRASTERNAL HEIGHT	.311	.699	.019	.527	.661	.515	.194	.139	.578	.182
12	BUST POINT HEIGHT	.258	.693	.002	.501	.644	.481	.177	.123	.539	.198
13	WAIST HEIGHT	-.014	.714	.019	.529	.669	.514	.169	.100	.571	.183
14	ABDOMINAL EXTENSION HT	.093	.723	.021	.533	.678	.527	.186	.121	.568	.182
15	TROCHANTERIC HEIGHT	.073	.717	-.033	.504	.658	.515	.169	.094	.554	.200
16	BUTTOCK HEIGHT	.089	.698	.015	.477	.635	.482	.149	.098	.524	.143
17	GLUTEAL FURROW HEIGHT	.088	.719	.014	.503	.653	.472	.147	.086	.519	.164
18	TIBIAL HEIGHT	.087	.704	.058	.466	.630	.406	.173	.127	.513	.157
19	CROTCH HEIGHT	.084	.753	.006	.518	.684	.504	.181	.111	.573	.171
20	ANKLE HEIGHT	.061	.356	.049	.176	.266	.002	.102	.083	.224	.125
21	LAT'L MALLEOLUS HT	.104	.167	.042	.148	.167	.240	.121	.122	.176	.065
22	SITTING HT, RELAXED	.393	.286	.056	.312	.312	.278	.142	.096	.331	.093
23	SITTING HEIGHT	.398	.298	.048	.312	.316	.284	.149	.106	.349	.101
24	EYE HEIGHT, SITTING	.379	.230	.065	.276	.265	.256	.130	.082	.288	.052
25	MIDSHOULDER HT, SIT	.347	.231	.058	.222	.241	.212	.114	.088	.270	.075
26	WAIST HEIGHT, SITTING	-.072	.045	.017	.097	.076	.057	.002	-.032	.093	-.016
27	ELBOW REST HEIGHT	.284	-.269	.036	-.219	-.252	-.054	-.003	.007	-.053	-.059
28	POPLITEAL HEIGHT	.088	.596	.048	.431	.574	.484	.219	.159	.504	.159
29	BUTTOCK-POPLIT'L L	-.013	.512	-.048	.315	.434	.303	.037	-.022	.332	.087
30	BUTTOCK-KNEE LENGTH	.016	.646	-.063	.412	.550	.374	.084	.029	.440	.133
31	ACROMION-RADIAL L	.068	.702	-.014	.626	.701	.487	.178	.116	.457	.125
32	RADIAL-STYLION L	.051	.766	-.014	.439	.680	.372	.179	.139	.498	.194
33	THUMB-TIP REACH	.065	.642	.070	.475	.597	.429	.212	.167	.478	.189
34	THUMB-TIP, EXTENDED	.064	.590	-.008	.414	.537	.351	.160	.095	.408	.180
35	OVERHEAD REACH	.186	.728	-.014	.545	.680	.471	.191	.128	.549	.225
36	NECK CIRCUMFERENCE	.006	.058	.012	.029	.077	-.047	.165	.090	.039	.049
37	SHOULDER CIRCUMFERENCE	.009	-.153	.263	.128	.038	-.061	.013	.023	-.176	-.080
38	CHEST CIRC AT SCYE	-.003	-.231	.241	.004	-.073	-.154	-.015	.046	-.204	-.106
39	BUST CIRCUMFERENCE	.056	-.275	.144	-.113	-.181	-.208	-.085	-.055	-.253	-.196
40	CHEST C BELOW BUST	.042	-.215	.129	-.060	-.110	-.140	-.030	-.023	-.188	-.119
41	WAIST CIRCUMFERENCE	.019	-.215	.023	-.185	-.209	-.191	-.139	-.081	-.207	-.124
42	ABDOMINAL EXT CIRC	-.109	-.307	-.009	-.220	-.293	-.286	-.177	-.207	-.334	-.205
43	HIP C-7" BLW WAIST	-.141	-.247	-.076	-.238	-.270	-.266	-.218	-.223	-.273	-.132
44	HIP C-9" BLW WAIST	-.179	-.225	-.108	-.209	-.257	-.282	-.225	-.240	-.253	-.119
45	UPPER THIGH CIRCUM	-.194	-.294	-.110	-.299	-.344	-.319	-.227	-.216	-.347	-.150
46	KNEE CIRCUMFERENCE	-.071	-.074	-.083	-.145	-.142	-.098	-.033	.015	-.029	.063
47	CALF CIRCUM, RIGHT	-.079	-.123	-.096	-.124	-.164	-.090	.012	.034	-.048	.137
49	ANKLE CIRCUMFERENCE	.036	.036	-.032	-.009	.001	.066	.174	.221	.190	.243
50	VERTICAL TRUNK CIRC	.357	.051	-.031	.053	.058	.053	.009	.049	.106	.024
51	VERT TRUNK CIRC, SIT	.324	.143	.020	.156	.163	.136	.048	.061	.197	.042

ALL ENTRIES ON THIS PAGE ARE ABOVE THE DIAGONAL

TABLE XXX
PARTIAL CORRELATION COEFFICIENTS
WEIGHT PARTIALED OUT ABOVE DIAGONAL***STATURE PARTIALED OUT BELOW IT

		86	87	88	89	90	91	92	93	94	95
52	BUTTOCK CIRC, SIT	-.175	-.225	-.065	-.202	-.245	-.261	-.206	-.241	-.231	-.126
53	SCYE CIRCUMFERENCE	.013	-.121	.059	.006	.003	-.010	.094	.200	-.054	-.015
54	AXILLARY ARM CIRC	-.059	-.425	.020	-.271	-.349	-.353	-.129	-.003	-.417	-.193
55	BICEPS CIR, RELAX, R	-.111	-.501	-.023	-.367	-.443	-.353	-.117	-.013	-.442	-.188
56	BICEPS CIR, FLEX, R	-.096	-.459	-.019	-.335	-.399	-.280	-.053	.049	-.397	-.154
59	ELBOW CIRC, FLEXED	.062	.140	.024	.082	.156	.199	.165	.277	.173	.136
60	FOREARM CIR, RELAX	-.042	-.180	.047	-.092	-.097	-.004	.183	.324	-.064	.083
61	FOREARM CIR, FLEXED	-.010	-.157	.045	-.093	-.093	.014	.164	.334	-.057	.081
62	WRIST CIRCUMFERENCE	.107	.139	.072	.154	.199	.338	.438	.582	.305	.296
63	BIACROMIAL BREADTH	.051	.294	.211	.433	.421	.218	.148	.156	.232	.163
64	BIDELTOID BREADTH	-.041	-.152	.207	.072	-.001	-.128	-.032	.018	-.168	-.048
65	CHEST BREADTH	.028	-.167	.231	.042	-.005	-.076	-.011	-.002	-.130	-.059
66	BUSTPT-BUSTPT BRTH	.060	-.104	-.019	-.061	-.084	-.044	-.021	.012	-.097	-.059
67	WAIST BREADTH	.024	-.083	.077	-.047	-.051	-.059	-.029	.006	-.064	-.029
68	HIP BREADTH	-.109	-.095	-.080	-.077	-.118	-.167	-.170	-.212	-.139	-.084
69	THIGH-THIGH BR, SIT	-.166	-.299	-.093	-.227	-.306	-.332	-.233	-.286	-.325	-.166
70	HUMERAL BREADTH, R	.106	.165	.107	.185	.230	.331	.357	.383	.291	.196
72	FEMORAL BREADTH, R	.054	.031	.122	.063	.065	.144	.126	.169	.116	.021
74	CHEST DEPTH	.002	-.205	-.016	-.152	-.187	-.144	-.092	-.085	-.197	-.187
75	WAIST DEPTH	-.071	-.260	-.017	-.232	-.269	-.176	-.142	-.099	-.223	-.141
76	ABDOMINAL EXT DPTH	-.134	-.286	-.039	-.278	-.329	-.256	-.206	-.200	-.286	-.162
77	BUTTOCK DEPTH	-.174	-.231	-.152	-.295	-.301	-.287	-.214	-.199	-.267	-.116
78	THIGH CLEARANCE	-.047	.093	.015	.001	.056	.112	.036	.064	.080	.026
79	SHOULDER LENGTH	.053	.319	.127	.383	.365	.235	.102	.074	.249	.111
80	NECK-BUST POINT L	.064	-.106	.088	-.016	-.070	-.020	-.007	-.013	-.054	-.137
81	STRAP LENGTH	.124	-.131	.107	.001	-.055	-.043	-.002	.005	-.068	-.121
82	INTERSCYE	-.037	-.084	.431	.116	.046	-.105	-.027	-.044	-.101	-.081
83	INTERSCYE, MAXIMUM	-.000	.079	.355	.202	.175	-.005	.056	.032	.038	-.075
84	BACK CURVATURE	-.008	-.139	.166	.066	.006	-.065	.005	-.052	-.090	-.078
85	WAIST BACK	.372	.291	.039	.238	.270	.249	.140	.134	.294	.103
86	ANTERIOR WAIST LTH		.065	.010	.066	.074	.066	.043	.072	.065	-.025
87	SLEEVE INSEAM	-.216		-.012	.624	.796	.411	.156	.085	.516	.206
88	SPINE-TO-SCYE LGTH	.101	-.103		.407	.300	.032	.077	.090	.017	-.047
89	SPINE-TO-ELBOW LTH	-.002	.337	.523		.904	.361	.188	.122	.383	.131
90	SPINE-TO-WRIST LTH	-.057	.555	.428	.877		.448	.238	.174	.506	.202
91	HAND LENGTH	-.064	.085	.046	.143	.196		.390	.363	.652	.270
92	HAND BREADTH	.064	-.019	.161	.176	.210	.350		.671	.346	.338
93	HAND CIRCUMFERENCE	.140	-.068	.210	.178	.211	.352	.694		.292	.363
94	FOOT LENGTH	-.051	.163	.076	.173	.262	.516	.330	.325		.398
95	FOOT BREADTH	-.004	.065	.042	.118	.174	.223	.361	.408	.399	
96	HEAD LENGTH	-.023	-.045	.095	.091	.092	.164	.137	.135	.160	.098
97	HEAD BREADTH	.014	-.087	.154	.130	.100	.064	.195	.148	.129	.086
98	HEAD CIRCUMFERENCE	.009	.022	.110	.146	.175	.153	.185	.176	.249	.180
104	MENTON-TOP HEAD	.006	.009	.026	.059	.086	.125	.108	.093	.177	.176
107	PRONASALE TO WALL	.005	.082	.064	.130	.175	.152	.109	.136	.210	.176
111	SAGITTAL CURVATURE	-.016	.010	.038	.062	.069	-.037	.132	.058	.070	.101
112	BITRAGION-CORONAL	-.015	-.036	.072	.082	.076	.116	.078	.114	.158	.130
115	BITRAGION BREADTH	.026	-.051	.177	.190	.182	.118	.209	.240	.155	.115
121	MENTON-SELLION LTH	.008	-.056	.098	.093	.100	.142	.144	.136	.162	.134
125	GRIP STRENGTH	.078	.004	.218	.214	.219	.168	.327	.368	.171	.120

TABLE XXX
PARTIAL CORRELATION COEFFICIENTS
WEIGHT PARTIALED OUT ABOVE DIAGONAL***STATURE PARTIALED OUT BELOW IT

		96	97	98	104	107	111	112	115	121	125
1	AGE	.054	.135	.005	.004	.076	.097	.031	.040	-.023	.062
2	WEIGHT										
3	TRICEPS SKINFOLD	-.161	-.022	-.182	-.168	-.141	-.012	-.190	-.159	-.137	-.231
4	SUBSCAPULAR SKINFOLD	-.191	-.039	-.170	-.182	-.117	.079	-.175	-.154	-.135	-.227
5	SUPRAILIAC SKINFOLD	-.162	-.035	-.185	-.195	-.132	.030	-.260	-.238	-.152	-.264
6	MEDIAL CALF SKINFOLD	-.084	-.016	-.097	-.095	-.089	-.016	-.077	-.132	-.111	-.172
7	STATURE	.194	-.023	.150	.263	.121	-.024	.146	-.073	.049	-.112
8	STATURE, MAXIMUM	.198	-.022	.155	.261	.123	-.022	.147	-.073	.052	-.109
9	CERVICAL HEIGHT	.168	-.044	.118	.208	.130	.010	.101	-.096	.032	-.120
10	ACROMIAL HEIGHT	.164	-.033	.116	.205	.124	.019	.094	-.092	.037	-.125
11	SUPRASTERNAL HEIGHT	.175	-.054	.126	.230	.127	.005	.096	-.095	.042	-.117
12	BUST POINT HEIGHT	.171	-.056	.123	.215	.133	.016	.102	-.056	.050	-.077
13	WAIST HEIGHT	.176	-.026	.133	.200	.140	.032	.081	-.075	.041	-.089
14	ABDOMINAL EXTENSION HT	.177	-.040	.129	.214	.141	.029	.076	-.071	.054	-.065
15	TROCHANTERIC HEIGHT	.174	-.044	.163	.222	.160	.063	.071	-.066	.070	-.057
16	BUTTOCK HEIGHT	.152	-.035	.108	.157	.108	.029	.027	-.104	.047	-.082
17	GLUTEAL FURROW HEIGHT	.147	-.021	.121	.163	.140	.054	.070	-.065	.029	-.076
18	TIBIAL HEIGHT	.120	-.020	.104	.161	.138	.056	.086	-.055	.001	-.050
19	CROTCH HEIGHT	.173	-.042	.147	.198	.143	.050	.076	-.083	.061	-.066
20	ANKLE HEIGHT	-.017	-.047	.035	.065	.105	.069	.153	-.009	-.038	.040
21	LAT'L MALLEOLUS HT	.084	.018	.019	.082	.006	-.059	.007	-.081	-.031	-.054
22	SITTING HT, RELAXED	.154	-.002	.111	.222	.055	-.080	.188	-.022	.030	-.115
23	SITTING HEIGHT	.154	-.005	.125	.224	.068	-.071	.198	-.029	.033	-.129
24	EYE HEIGHT, SITTING	.109	-.031	.040	.092	.048	-.053	.093	-.064	.023	-.134
25	MIDSHOULDER HT, SIT	.069	-.018	.051	.110	.059	-.013	.121	-.047	.001	-.147
26	WAIST HEIGHT, SITTING	.026	-.008	-.025	.004	-.010	-.028	.031	-.048	-.048	-.138
27	ELBOW REST HEIGHT	-.009	-.010	-.049	-.039	-.080	-.089	.027	-.045	-.020	-.113
28	POPLITEAL HEIGHT	.159	-.023	.101	.148	.101	.032	-.000	-.112	.044	-.058
29	BUTTOCK-POPLIT'L L	.098	-.066	.086	.119	.109	.094	-.001	-.140	.025	-.100
30	BUTTOCK-KNEE LENGTH	.124	-.089	.098	.148	.131	.097	-.020	-.214	.028	-.160
31	ACROMION-RADIAL L	.156	-.022	.115	.150	.100	.033	.026	-.083	.036	-.066
32	RADIAL-STYLION L	.119	-.018	.169	.206	.173	.085	.124	-.059	.065	.002
33	THUMB-TIP REACH	.103	.014	.120	.201	.143	.078	.036	-.075	.032	-.050
34	THUMB-TIP, EXTENDED	.135	-.043	.168	.155	.156	.082	.119	-.048	.054	-.049
35	OVERHEAD REACH	.157	-.031	.166	.234	.168	.055	.112	-.067	.060	-.055
36	NECK CIRCUMFERENCE	.003	.140	.135	.100	.081	.095	.175	-.218	-.050	-.209
37	SHOULDER CIRCUMFERENCE	-.012	.019	-.012	-.040	-.007	.175	-.122	-.239	-.116	-.340
38	CHEST CIRC AT SCYE	-.064	.014	-.075	-.091	.000	.188	-.097	-.243	-.145	-.296
39	BUST CIRCUMFERENCE	-.068	.042	-.089	-.144	-.021	.167	-.157	-.278	-.144	-.317
40	CHEST C BELOW BUST	-.061	.057	-.080	-.103	-.049	.128	-.148	-.195	-.157	-.316
41	WAIST CIRCUMFERENCE	-.188	.052	-.098	-.165	-.092	.154	-.227	-.249	-.145	-.362
42	ABDOMINAL EXT CIRC	-.201	.057	-.175	-.243	-.168	.044	-.220	-.262	-.210	-.379
43	HIP C-7" BLW WAIST	-.165	-.021	-.150	-.186	-.096	.127	-.258	-.421	-.211	-.511
44	HIP C-9" BLW WAIST	-.125	-.042	-.109	-.145	-.095	.082	-.177	-.382	-.207	-.503
45	UPPER THIGH CIRCUM	-.128	-.030	-.135	-.178	-.115	.080	-.228	-.349	-.179	-.443
46	KNEE CIRCUMFERENCE	-.071	.002	-.016	-.002	-.034	.051	-.121	-.244	-.094	-.322
47	CALF CIRCUM, RIGHT	-.031	-.020	-.021	-.005	-.025	.028	-.110	-.218	-.080	-.285
49	ANKLE CIRCUMFERENCE	.026	-.001	.044	.078	.048	.026	-.004	-.105	-.020	-.162
50	VERTICAL TRUNK CIRC	.018	-.048	.009	.069	.060	.047	.065	-.200	-.066	-.278
51	VERT TRUNK CIRC, SIT	.030	-.041	-.001	.062	.038	.017	.068	-.166	-.065	-.241

ALL ENTRIES ON THIS PAGE ARE ABOVE THE DIAGONAL

TABLE XXX
PARTIAL CORRELATION COEFFICIENTS
WEIGHT PARTIALED OUT ABOVE DIAGONAL***STATURE PARTIALED OUT BELOW IT

		96	97	98	104	107	111	112	115	121	125
52	BUTTOCK CIRC, SIT	-.135	-.042	-.127	-.158	-.088	.117	-.206	-.420	-.201	-.529
53	SCYE CIRCUMFERENCE	-.074	-.011	-.095	-.050	-.015	.123	-.097	-.240	-.088	-.287
54	AXILLARY ARM CIRC	-.169	-.005	-.167	-.201	-.106	.113	-.185	-.300	-.187	-.348
55	BICEPS CIR, RELAX, R	-.140	-.025	-.166	-.180	-.092	.104	-.202	-.291	-.159	-.339
56	BICEPS CIR, FLEX, R	-.116	-.036	-.146	-.155	-.084	.095	-.197	-.302	-.133	-.326
59	ELBOW CIRC, FLEXED	.082	-.043	.039	.103	.088	.102	.006	-.137	.026	-.102
60	FOREARM CIR, RELAX	-.008	.006	.003	.013	.041	.164	-.099	-.229	-.052	-.305
61	FOREARM CIR, FLEXED	.004	.002	-.002	.017	.024	.148	-.094	-.221	-.052	-.280
62	WRIST CIRCUMFERENCE	.079	.001	.062	.081	.063	.099	-.051	-.103	.024	-.127
63	BIACROMIAL BREADTH	.107	.042	.141	.197	.120	.075	.093	-.019	.019	-.055
64	BIDELTOID BREADTH	-.066	.003	-.038	-.039	-.005	.155	-.113	-.228	-.104	-.291
65	CHEST BREADTH	.026	.024	-.006	-.004	-.014	.105	-.039	-.102	-.048	-.249
66	BUSTPT-BUSTPT BRTH	.035	.008	-.014	-.021	.038	.100	-.106	-.195	-.041	-.157
67	WAIST BREADTH	-.107	.067	-.029	-.093	-.062	.107	-.138	-.183	-.115	-.294
68	HIP BREADTH	-.084	-.058	-.078	-.105	-.084	.001	-.082	-.241	-.147	-.317
69	THIGH-THIGH BR, SIT	-.103	-.015	-.106	-.142	-.109	.003	-.100	-.271	-.151	-.348
70	HUMERAL BREADTH, R	.100	.008	.053	.092	.059	.062	-.006	-.142	-.016	-.158
72	FEMORAL BREADTH, R	.047	.044	.006	-.008	-.058	-.012	-.046	-.082	-.016	-.140
74	CHEST DEPTH	-.072	.025	-.103	-.183	-.010	.153	-.177	-.229	-.099	-.261
75	WAIST DEPTH	-.149	.018	-.102	-.157	-.104	.086	-.164	-.250	-.120	-.286
76	ABDOMINAL EXT DPTH	-.160	.016	-.128	-.194	-.103	.097	-.192	-.335	-.135	-.355
77	BUTTOCK DEPTH	-.117	-.100	-.060	-.102	-.040	.121	-.147	-.327	-.110	-.310
78	THIGH CLEARANCE	.029	-.041	.042	-.020	-.007	.025	-.101	-.238	-.024	-.219
79	SHOULDER LENGTH	.097	-.018	.117	.115	.127	.069	.073	.015	.015	-.036
80	NECK-BUST POINT L	-.055	.049	-.050	-.099	-.049	.007	-.063	-.161	-.088	-.190
81	STRAP LENGTH	-.037	.052	-.026	-.042	-.056	.005	-.065	-.179	-.083	-.213
82	INTERSCYE	-.027	.018	-.014	-.010	-.014	.079	-.026	-.122	-.082	-.127
83	INTERSCYE, MAXIMUM	-.032	.019	-.049	-.071	-.043	.039	-.030	-.094	-.115	-.168
84	BACK CURVATURE	-.045	.042	-.054	-.096	-.072	.035	-.115	-.137	-.106	-.223
85	WAIST BACK	.068	-.051	.056	.104	.063	-.010	.096	-.025	.023	-.064
86	ANTERIOR WAIST LTH	-.016	-.069	-.032	.052	-.031	-.053	-.029	-.089	-.037	-.145
87	SLEEVE INSEAM	.118	-.052	.151	.197	.172	.068	.128	-.011	.046	.004
88	SPINE-TO-SCYE LGTH	.045	.068	.016	-.001	-.019	.018	-.026	-.059	-.046	-.115
89	SPINE-TO-ELBOW LTH	.136	.028	.129	.164	.111	.057	.078	-.050	.014	-.099
90	SPINE-TO-WRIST LTH	.161	.005	.173	.215	.163	.094	.105	-.059	.047	-.063
91	HAND LENGTH	.227	.024	.189	.230	.176	.086	.026	-.084	.105	-.044
92	HAND BREADTH	.132	.126	.144	.133	.069	.040	.112	-.191	.001	-.105
93	HAND CIRCUMFERENCE	.103	.052	.095	.092	.065	.086	.004	-.080	.029	-.097
94	FOOT LENGTH	.214	.047	.245	.277	.203	.098	.106	-.039	.123	-.045
95	FOOT BREADTH	.092	.016	.140	.197	.141	.092	.081	.027	.113	-.002
96	HEAD LENGTH		.030	.653	.341	.532	.319	.399	-.063	.195	-.008
97	HEAD BREADTH	.077		.358	.094	-.025	-.002	.158	.191	-.056	-.117
98	HEAD CIRCUMFERENCE	.656	.412		.404	.415	.246	.541	.071	.135	-.041
104	MENTON-TOP HEAD	.318	.126	.393		.228	-.078	.354	.003	.340	.041
107	PRONASALE TO WALL	.540	.042	.445	.222		.766	.218	-.065	.118	.031
111	SAGITTAL CURVATURE	.401	.204	.554	.343	.240		-.078	-.012	.047	-.094
112	BITRAGION-CORONAL	.209	.403	.504	.350	.140	.044		.175	.142	-.066
115	BITRAGION BREADTH	.093	.576	.362	.120	.104	.103	.159		-.058	-.040
121	MENTON-SELLION LTH	.247	.145	.203	.356	.200	-.037	.110	.017		.022
125	GRIP STRENGTH	.088	.065	.091	.071	.107	.088	.086	.066	.034	

TABLE XXXI

TWO AND THREE STEP PARTIAL CORRELATION COEFFICIENTS
 WEIGHT-STATURE PARTIALED OUT ABOVE DIAGONAL**WEIGHT-STATURE-AGE BELOW IT

	1	2	3	4	5	6	7	8	9	10
1 AGE										
2 WEIGHT										
3 TRICEPS SKINFOLD										
4 SUBSCAPULAR SKINFOLD										
5 SUPRAILIAC SKINFOLD										
6 MEDIAL CALF SKINFOLD										
7 STATURE										
8 STATURE, MAXIMUM										
9 CERVICAL HEIGHT										
10 ACROMIAL HEIGHT										
11 SUPRASTERNAL HEIGHT										
12 BUSTPOINT HEIGHT										
13 WAIST HEIGHT										
14 ABDOMINAL EXTENSION HT										
15 TROCHANTERIC HEIGHT										
16 BUTTOCK HEIGHT										
17 GLUTEAL FURROW HGT										
18 TIBIAL HEIGHT										
19 CROTCH HEIGHT										
20 ANKLE HEIGHT										
21 LAT'L MALLEOLUS HT										
22 SITTING HT, RELAXED										
23 SITTING HEIGHT										
24 EYE HEIGHT, SITTING										
25 MIDSHOULDER HT, SIT										
26 WAIST HGT, SITTING										
27 ELBOW REST HEIGHT										
28 POPLITEAL HEIGHT										
29 BUTTOCK-POPLIT'L L										
30 BUTTOCK-KNEE LENGTH										
31 ACROMION-RADIAL L										
32 RADIAL-STYLION L										
33 THUMB-TIP REACH										
34 THUMB-TIP, EXTENDED										
35 OVERHEAD REACH										
36 NECK CIRCUMFERENCE										
37 SHOULDER CIRCUMFERENCE										
38 CHEST CIRC AT SCYE										
39 BUST CIRCUMFERENCE										
40 CHEST C BELOW BUST										
41 WAIST CIRCUMFERENCE										
42 ABDOMINAL EXT CIRC										
43 HIP C-7" BLW WAIST										
44 HIP C-9" BLW WAIST										
45 UPPER THIGH CIRCUM										
46 KNEE CIRCUMFERENCE										
47 CALF CIRCUM, RIGHT										
49 ANKLE CIRCUMFERENCE										
50 VERTICAL TRUNK CIRC										
51 VERT TRUNK CIRC, SIT										

TABLE XXXI
TWO AND THREE STEP PARTIAL CORRELATION COEFFICIENTS
WEIGHT-STATURE PARTIALED OUT ABOVE DIAGONAL**WEIGHT-STATURE-AGE BELOW IT

	1	2	3	4	5	6	7	8	9	10
52 BUTTOCK CIRC, SIT			.081	-.011	.014	.094		-.017	-.032	-.017
53 SCYE CIRCUMFERENCE			.035	.159	.071	-.074		.006	.013	.135
54 AXILLARY ARM CIRC			.271	.323	.261	.008		-.028	-.055	-.102
55 BICEPS CIR,RELAX,R			.392	.167	.123	.171		-.057	-.081	-.081
56 BICEPS CIR, FLEX,R			.329	.111	.081	.127		-.052	-.081	-.067
59 ELBOW CIRC, FLEXED			-.007	.002	-.001	.004		-.008	.025	.045
60 FOREARM CIR, RELAX			.085	-.052	-.061	.028		-.036	-.036	-.000
61 FOREARM CIR,FLEXED			.077	-.040	-.031	.023		-.029	-.022	-.020
62 WRIST CIRCUMFERNCE			-.072	-.082	-.063	-.046		.029	-.028	-.029
63 BIACROMIAL BREADTH			-.128	-.072	-.129	-.125		.005	-.004	-.151
64 BIDELOID BREADTH			.026	.125	.077	-.114		-.044	-.069	-.026
65 CHEST BREADTH			-.092	.070	-.005	-.131		.025	-.072	.071
66 BUSTPT-BUSTPT BRTH			-.045	.070	.118	-.106		-.032	-.023	.025
67 WAIST BREADTH			-.035	.146	.202	-.067		.030	.032	.056
68 HIP BREADTH			.104	-.075	-.042	.127		-.024	-.057	-.101
69 THIGH-THIGH BR,SIT			.147	-.091	-.037	.186		.015	-.042	-.078
70 HUMERAL BREADTH, R			-.084	-.171	-.084	-.059		.050	.003	.004
72 FEMORAL BREADTH, R			.028	-.056	-.029	.039		.075	.029	.005
74 CHEST DEPTH			.023	.258	.231	-.071		.030	.054	.052
75 WAIST DEPTH			-.016	.235	.198	-.050		-.035	.040	.042
76 ABDOMINAL EXT DPTH			.072	.248	.200	.057		-.020	.030	.039
77 BUTTOCK DEPTH			.129	.109	.018	.101		-.011	-.019	.026
78 THIGH CLEARANCE			.018	-.101	-.016	.065		.092	.074	.016
79 SHOULDER LENGTH			-.073	-.046	-.079	-.095		.015	.071	-.306
80 NECK-BUST POINT L			.017	.110	.169	-.047		.027	.010	-.102
81 STRAP LENGTH			.024	.122	.146	-.074		-.020	-.079	-.167
82 INTERSCYE			-.078	.035	.016	-.130		.028	-.027	-.010
83 INTERSCYE, MAXIMUM			-.025	.057	.054	-.106		.024	.047	-.016
84 BACK CURVATURE			-.056	.089	-.033	-.035		.031	-.033	.071
85 WAIST BACK			-.021	-.044	-.021	.009		.082	.218	-.017
86 ANTERIOR WAIST LTH			.025	.040	.076	.029		.002	-.092	-.062
87 SLEEVE INSEAM			-.078	-.030	-.090	-.059		.051	.263	.148
88 SPINE-TO-SCYE LGTH			-.092	-.048	.001	-.122		.031	-.017	-.007
89 SPINE-TO-ELBOW LTH			-.065	-.054	-.068	-.115		.054	.062	-.008
90 SPINE-TO-WRIST LTH			-.107	-.066	-.107	-.151		.087	.173	.116
91 HAND LENGTH			-.146	-.122	-.084	-.147		.090	.089	.053
92 HAND BREADTH			-.207	-.189	-.153	-.128		.040	-.004	-.006
93 HAND CIRCUMFERENCE			-.165	-.177	-.129	-.134		.037	-.005	.003
94 FOOT LENGTH			-.208	-.146	-.140	-.166		.121	.113	.064
95 FOOT BREADTH			-.193	-.180	-.189	-.103		-.014	-.040	-.010
96 HEAD LENGTH			-.100	-.124	-.098	-.034		.060	-.077	-.061
97 HEAD BREADTH			-.031	-.055	-.019	-.004		.012	-.083	-.039
98 HEAD CIRCUMFERENCE			-.139	-.120	-.147	-.064		.073	-.109	-.077
104 MENTON-TOP HEAD			-.081	-.081	-.121	-.036		-.015	-.190	-.133
107 PRONASALE TO WALL			-.105	-.075	-.086	-.053		.034	.054	.026
111 SAGITTAL CURVATURE			-.021	.076	.043	-.009		.026	.136	.119
112 BITRAGION-CORONAL			-.149	-.127	-.225	-.041		.027	-.159	-.132
115 BITRAGION BREADTH			-.199	-.205	-.273	-.150		.007	-.097	-.071
121 MENTON-SELLION LTH			-.128	-.126	-.150	-.106		.031	-.063	-.029
125 GRIP STRENGTH			-.292	-.306	-.312	-.199		.044	-.043	-.059

ALL ENTRIES ON THIS PAGE ARE BELOW THE DIAGONAL

TABLE XXXI
TWO AND THREE STEP PARTIAL CORRELATION COEFFICIENTS
WEIGHT-STATURE PARTIALED OUT ABOVE DIAGONAL **WEIGHT-STATURE-AGE BELOW IT

	11	12	13	14	15	16	17	18	19	20
1 AGE	-038	-158	-020	-125	-064	-155	-128	-063	-176	.033
2 WEIGHT										
3 TRICEPS SKINFOLD	.012	-.014	-.006	-.019	-.046	.024	.032	-.006	-.027	-.038
4 SUBSCAPULAR SKINFOLD	.031	.006	.043	-.019	.010	.097	.077	.021	.031	.071
5 SUPRAILIAC SKINFOLD	.033	-.023	.041	.025	-.025	.120	.102	.045	.061	.004
6 MEDIAL CALF SKINFOLD	-.002	.043	-.031	-.006	-.015	.036	.026	-.037	.007	-.079
7 STATURE										
8 STATURE, MAXIMUM	.232	.096	.163	.140	.113	.093	.031	.095	.191	.019
9 CERVICAL HEIGHT	.428	.286	.394	.384	.300	.333	.294	.357	.422	.142
10 ACROMIAL HEIGHT	.507	.462	.374	.347	.335	.307	.263	.255	.353	.082
11 SUPRASTERNAL HEIGHT		.495	.446	.454	.378	.357	.291	.316	.457	.085
12 BUST POINT HEIGHT	.496		.338	.364	.342	.301	.327	.245	.375	.045
13 WAIST HEIGHT	.445	.339		.719	.555	.534	.491	.450	.624	.089
14 ABDOMINAL EXTENSION HT	.453	.351	.722		.575	.582	.525	.475	.672	.013
15 TROCHANTERIC HEIGHT	.376	.337	.554	.573		.583	.541	.356	.645	-.011
16 BUTTOCK HEIGHT	.355	.283	.537	.574	.581		.633	.467	.670	.089
17 GLUTEAL FURROW HGT	.289	.313	.492	.517	.538	.626		.459	.615	.102
18 TIBIAL HEIGHT	.314	.238	.450	.472	.354	.463	.455		.535	.343
19 CROTCH HEIGHT	.458	.357	.631	.665	.646	.661	.607	.533		.106
20 ANKLE HEIGHT	.086	.051	.090	.017	-.009	.095	.107	.346	.114	
21 LAT'L MALLEOLUS HT	.034	-.003	.050	.068	.034	.075	.024	.085	.022	.100
22 SITTING HT, RELAXED	-.255	-.269	-.472	-.547	-.531	-.579	-.592	-.427	-.631	-.049
23 SITTING HEIGHT	-.276	-.290	-.517	-.592	-.562	-.625	-.631	-.477	-.672	-.063
24 EYE HEIGHT, SITTING	-.205	-.237	-.410	-.484	-.488	-.525	-.537	-.379	-.563	-.079
25 MIDSHOULDER HT, SIT	-.106	-.095	-.351	-.427	-.391	-.455	-.457	-.348	-.516	-.014
26 WAIST HGT, SITTING	-.044	-.062	.126	-.097	-.130	-.165	-.188	-.140	-.234	-.010
27 ELBOW REST HEIGHT	-.126	-.113	-.357	-.410	-.428	-.421	-.459	-.327	-.512	-.073
28 POPLITEAL HEIGHT	.252	.198	.352	.407	.358	.441	.351	.383	.454	.052
29 BUTTOCK-POPLIT'L L	.255	.228	.380	.414	.371	.412	.352	.232	.451	-.014
30 BUTTOCK-KNEE LENGTH	.308	.273	.466	.511	.490	.521	.431	.277	.576	.013
31 ACROMION-RADIAL L	.176	.149	.303	.339	.398	.341	.310	.173	.379	-.065
32 RADIAL-STYLION L	.217	.197	.297	.299	.316	.306	.303	.379	.383	.252
33 THUMB-TIP REACH	.132	.123	.198	.200	.251	.227	.233	.219	.287	.107
34 THUMB-TIP, EXTENDED	.078	.121	.166	.148	.247	.136	.184	.145	.223	.116
35 OVERHEAD REACH	.280	.226	.262	.271	.377	.220	.236	.194	.319	.147
36 NECK CIRCUMFERENCE	-.107	-.007	-.099	-.097	-.067	-.066	-.044	.033	-.064	.221
37 SHOULDER CIRCUMFERENCE	.008	-.011	-.025	.039	.022	.002	.036	-.014	.016	-.006
38 CHEST CIRC AT SCYE	-.052	-.007	-.030	-.011	-.036	.003	.062	.019	-.008	.088
39 BUST CIRCUMFERENCE	-.015	-.078	-.023	-.007	-.033	.045	.084	.027	.003	.052
40 CHEST C BELOW BUST	-.016	.107	-.055	-.041	-.002	.030	.065	.016	.012	.044
41 WAIST CIRCUMFERENCE	-.048	-.032	-.118	-.049	.046	.092	.108	-.012	.028	.077
42 ABDOMINAL EXT CIRC	-.161	-.084	-.075	-.246	-.089	-.000	.022	-.050	-.109	.007
43 HIP C-7" BLW WAIST	-.170	-.037	-.097	-.097	-.099	-.041	-.045	-.088	-.190	-.069
44 HIP C-9" BLW WAIST	-.103	-.054	-.012	-.058	-.097	-.155	-.172	-.077	-.165	-.024
45 UPPER THIGH CIRCUM	-.111	-.024	-.005	.014	-.059	-.042	-.012	.010	-.070	-.084
46 KNEE CIRCUMFERENCE	-.031	.000	-.041	-.032	-.060	-.050	-.076	-.014	-.052	-.004
47 CALF CIRCUM, RIGHT	-.113	-.031	-.128	-.069	-.049	-.162	-.102	-.073	-.129	-.118
49 ANKLE CIRCUMFERENCE	-.060	-.025	-.136	-.106	-.128	-.179	-.145	.006	-.143	-.006
50 VERTICAL TRUNK CIRC	-.048	-.007	-.306	-.384	-.309	-.431	-.421	-.324	-.469	-.007
51 VERT TRUNK CIRC, SIT	-.046	-.012	-.272	-.354	-.324	-.393	-.398	-.303	-.453	-.007

TABLE XXXI
TWO AND THREE STEP PARTIAL CORRELATION COEFFICIENTS
WEIGHT-STATURE PARTIALED OUT ABOVE DIAGONAL**WEIGHT-STATURE-AGE BELOW IT

		11	12	13	14	15	16	17	18	19	20
52	BUTTOCK CIRC, SIT	-.054	-.023	.023	-.058	-.028	-.051	-.123	-.067	-.102	-.016
53	SCYE CIRCUMFERENCE	.029	.012	.005	.004	.020	.026	.054	.012	.014	.085
54	AXILLARY ARM CIRC	-.026	-.039	-.064	-.072	-.111	-.025	.000	-.035	-.067	.093
55	BICEPS CIR,RELAX,R	-.016	-.017	-.094	-.071	-.064	-.051	-.004	-.088	-.065	-.014
56	BICEPS CIR, FLEX,R	.004	-.027	-.095	-.033	-.058	-.019	.002	-.071	-.047	-.023
59	ELBOW CIRC, FLEXED	.071	.061	.008	.072	.085	.047	.066	.058	.069	.049
60	FOREARM CIR, RELAX	.048	.044	-.069	.003	-.005	-.047	.010	.000	-.016	.024
61	FOREARM CIR,FLEXED	.046	.034	-.070	.025	-.012	-.030	.018	.026	-.007	.024
62	WRIST CIRCUMFERNCE	.010	-.022	-.073	-.047	-.063	-.062	-.088	-.006	-.045	.066
63	BIACROMIAL BREADTH	-.008	.019	-.032	-.009	.028	-.056	-.013	.017	.013	.061
64	BIDELTOID BREADTH	-.046	-.019	-.046	-.030	-.031	-.011	.004	.035	-.034	.084
65	CHEST BREADTH	-.034	.023	-.070	-.046	-.032	-.032	-.006	-.033	-.013	-.013
66	BUSTPT-BUSTPT BRTH	.060	-.055	.036	.062	.030	.059	.060	.037	.043	-.021
67	WAIST BREADTH	-.034	-.046	-.063	-.008	.026	.076	.082	.010	.039	.082
68	HIP BREADTH	-.119	-.070	-.031	-.075	-.077	-.168	-.145	-.070	-.157	-.019
69	THIGH-THIGH BR,SIT	-.126	-.064	-.067	-.127	-.105	-.140	-.170	-.116	-.153	-.055
70	HUMERAL BREADTH, R	.053	.013	-.018	.035	-.045	-.071	-.056	.016	-.021	.008
72	FEMORAL BREADTH, R	.026	-.020	-.013	.012	-.073	-.011	-.041	.060	.005	.010
74	CHEST DEPTH	.037	-.037	.079	.064	.056	.116	.121	.051	.085	.057
75	WAIST DEPTH	.007	-.018	-.011	-.059	.070	.113	.074	-.019	.031	.044
76	ABDOMINAL EXT DPTH	-.029	.019	.049	-.082	.111	.185	.116	-.007	.083	.034
77	BUTTOCK DEPTH	-.003	.003	.071	.007	.086	.091	-.003	.021	.009	.015
78	THIGH CLEARANCE	.061	.057	.150	.163	.144	.144	.123	.148	.186	-.027
79	SHOULDER LENGTH	-.031	-.073	.000	.003	.025	-.074	-.002	.034	.019	.018
80	NECK-BUST POINT L	-.107	-.616	-.068	-.106	-.140	-.045	-.078	.006	-.095	.062
81	STRAP LENGTH	-.097	-.633	-.135	-.153	-.166	-.072	-.117	-.059	-.153	.012
82	INTERSCYE	-.054	-.060	-.038	-.040	-.051	.003	.003	.019	-.013	.081
83	INTERSCYE, MAXIMUM	-.086	-.088	-.013	-.037	-.139	-.014	-.014	.132	-.016	.177
84	BACK CURVATURE	-.066	-.032	-.064	-.028	.012	.039	.007	-.089	-.026	-.090
85	WAIST BACK	-.110	-.111	-.425	-.307	-.300	-.348	-.302	-.239	-.300	-.024
86	ANTERIOR WAIST LTH	.145	-.005	-.591	-.340	-.279	-.249	-.250	-.191	-.273	-.015
87	SLEEVE INSEAM	.205	.222	.324	.342	.379	.332	.381	.403	.453	.254
88	SPINE-TO-SCYE LGTH	-.066	-.072	-.033	-.020	-.107	-.017	-.021	.047	-.033	.037
89	SPINE-TO-ELBOW LTH	.033	.037	.131	.157	.139	.098	.148	.123	.174	.038
90	SPINE-TO-WRIST LTH	.154	.158	.258	.291	.290	.249	.288	.290	.351	.127
91	HAND LENGTH	.115	.061	.163	.204	.210	.154	.133	.057	.193	-.162
92	HAND BREADTH	-.009	-.009	-.025	.024	.012	-.014	-.021	.038	.040	.048
93	HAND CIRCUMFERENCE	.027	.003	-.045	.007	-.027	-.014	-.036	.041	.006	.047
94	FOOT LENGTH	.101	.043	.161	.160	.181	.126	.115	.159	.219	.091
95	FOOT BREADTH	.003	.054	.034	.027	.078	-.024	.014	.022	.019	.082
96	HEAD LENGTH	-.042	-.001	.012	.025	.034	.006	-.005	-.030	.041	-.075
97	HEAD BREADTH	-.114	-.064	-.010	-.026	-.036	-.007	.013	.004	-.017	-.047
98	HEAD CIRCUMFERENCE	-.065	-.028	.002	-.001	.073	-.017	.005	-.008	.047	-.006
104	MENTON-TOP HEAD	-.087	-.054	-.072	-.031	.018	-.089	-.079	-.048	-.023	-.006
107	PRONASALE TO WALL	.042	.070	.073	.085	.112	.033	.084	.078	.094	.073
111	SAGITTAL CURVATURE	.106	.107	.116	.115	.146	.0 6	.136	.115	.137	.075
112	BITRAGION-CORONAL	-.160	-.066	-.102	-.103	-.078	-.145	-.074	-.030	-.066	.118
115	BITRAGION BREADTH	-.089	.031	-.020	-.009	-.010	-.071	-.006	.001	-.035	.010
121	MENTON-SELLION LTH	-.020	.009	-.007	.020	.049	.009	-.019	-.054	.032	-.052
125	GRIP STRENGTH	-.033	.068	.022	.076	.060	.021	.030	.053	.053	.071

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TABLE XXXI
TWO AND THREE STEP PARTIAL CORRELATION COEFFICIENTS
WEIGHT-STATURE PARTIALED OUT ABOVE DIAGONAL**WEIGHT-STATURE-AGE BELOW IT

		21	22	23	24	25	26	27	28	29	30
1	AGE	-.032	.087	.064	.089	.102	.090	.023	-.154	-.008	-.099
2	WEIGHT										
3	TRICEPS SKINFOLD	.054	.012	.005	.027	.007	.092	.056	-.050	.013	.027
4	SUBSCAPULAR SKINFOLD	.029	-.031	-.049	-.055	-.001	.080	-.003	-.007	.013	-.007
5	SUPRAILIAC SKINFOLD	.046	-.046	-.064	-.032	-.068	.018	.017	.081	.015	-.004
6	MEDIAL CALF SKINFOLD	.042	-.009	-.001	.007	-.007	.020	.052	-.016	.004	.060
7	STATURE										
8	STATURE, MAXIMUM	-.001	.060	.099	.094	.082	.073	.024	.089	.054	.065
9	CERVICALE HEIGHT	.011	-.234	-.248	-.164	.001	-.007	-.071	.240	.191	.258
10	ACROMIAL HEIGHT	.015	-.240	-.250	-.197	.141	-.004	.078	.208	.176	.231
11	SUPRASTERNALE HGHT	.036	-.257	-.278	-.207	-.109	-.047	-.127	.254	.255	.310
12	BUSTPOINT HEIGHT	.002	-.278	-.296	-.247	-.110	-.076	-.115	.217	.226	.284
13	WAIST HEIGHT	.051	-.472	-.517	-.410	-.352	.123	-.358	.351	.381	.466
14	ABDOMINAL EXTEN HT	.071	-.552	-.594	-.489	-.434	-.107	-.409	.419	.411	.517
15	TROCHANTERIC H'GHT	.036	-.534	-.564	-.491	-.395	-.135	-.428	.363	.371	.493
16	BUTTOCK HEIGHT	.079	-.583	-.626	-.530	-.463	-.177	-.419	.454	.408	.527
17	GLUTEAL FURROW HGT	.028	-.596	-.632	-.542	-.464	-.197	-.458	.364	.350	.438
18	TIBIALE HEIGHT	.087	-.430	-.479	-.382	-.352	-.145	-.327	.388	.232	.282
19	CROTCH HEIGHT	.027	-.634	-.671	-.568	-.524	-.245	-.508	.469	.446	.582
20	ANKLE HEIGHT	.099	-.046	-.061	-.076	-.010	-.007	-.072	.047	-.014	.009
21	LAT'L MALLEOLUS HT		-.010	-.019	-.002	-.035	.025	.008	.085	-.043	-.097
22	SITTING HT,RELAXED	-.007		.916	.775	.671	.396	.620	-.407	-.520	-.631
23	SITTING HEIGHT	-.017	.916		.831	.733	.414	.650	-.448	-.514	-.637
24	EYE HEIGHT,SITTING	.001	.773	.831		.653	.431	.615	-.382	-.431	-.536
25	MIDSHOULDER HT,SIT	-.032	.668	.732	.650		.394	.735	-.335	-.439	-.523
26	WAIST HGHT,SITTING	.028	.391	.410	.426	.388		.381	-.195	-.234	-.260
27	ELBOW REST HEIGHT	.009	.621	.650	.615	.737	.380		-.291	-.397	-.466
28	POPLITEAL HEIGHT	.081	-.400	-.444	-.374	-.324	-.184	-.291		.182	.268
29	BUTTOCK-POPLIT'L L	-.044	-.521	-.514	-.433	-.441	-.234	-.397	.183		.715
30	BUTTOCK-KNEE LGTH	-.101	-.628	-.635	-.532	-.518	-.254	-.466	.258	.718	
31	ACROMION-RADIALE L	.018	-.327	-.332	-.281	-.239	-.085	-.426	.222	.220	.277
32	RADIALE-STYLION L	-.108	-.344	-.350	-.339	-.258	-.150	-.357	.251	.220	.275
33	THUMB-TIP REACH	-.043	-.261	-.294	-.300	-.167	-.180	-.301	.204	.123	.180
34	THUMB-TIP,EXTENDED	-.064	-.187	-.166	-.139	-.120	-.016	-.187	.074	.107	.168
35	OVERHEAD REACH	-.110	-.224	-.218	-.200	-.125	-.082	-.225	.134	.152	.247
36	NECK CIRCUMFERENCE	-.023	.067	.078	.035	.064	.021	-.001	-.014	-.127	-.130
37	SHOULDER CIRCUMFER	-.015	-.013	-.022	-.034	-.039	-.021	-.107	.021	-.069	-.115
38	CHEST CIRC AT SCYE	-.023	.005	-.016	-.021	-.021	.016	-.078	-.013	-.093	-.123
39	BUST CIRCUMFERENCE	.006	-.040	-.064	-.050	-.043	-.021	-.052	.031	-.058	-.098
40	CHEST C BELOW BUST	-.005	-.049	-.056	-.064	-.020	-.070	-.009	.009	-.067	-.104
41	WAIST CIRCUMFERNCE	-.041	-.124	-.128	-.155	-.041	-.160	-.080	.010	.005	-.025
42	ABDOMINAL EXT CIRC	-.037	-.010	-.015	.011	.015	.090	.038	-.072	-.029	-.071
43	HIP C-7" BLW WAIST	-.045	.007	.024	.036	.042	.047	.053	-.104	.112	.113
44	HIP C-9" BLW WAIST	-.095	.141	.153	.144	.116	.170	.118	-.142	.101	.128
45	UPPER THIGH CIRCUM	-.026	.008	.014	.028	.016	.088	.082	-.043	.106	.105
46	KNEE CIRCUMFERENCE	.082	.028	.032	.036	.001	-.005	.062	-.065	-.002	.039
47	CALF CIRCUM, RIGHT	.067	.084	.092	.070	.003	-.054	.013	-.051	-.150	-.071
49	ANKLE CIRCUMFERNCE	.062	.122	.146	.115	.104	.019	.089	-.075	-.183	-.134
50	VERTICAL TRUNK CIR	-.062	.478	.517	.463	.595	.245	.491	-.343	-.254	-.309
51	VERT TRUNK CIR,SIT	-.041	.523	.566	.506	.672	.316	.556	-.315	-.297	-.352

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TWO AND THREE STEP PARTIAL CORRELATION COEFFICIENTS
WEIGHT-STATURE PARTIALED OUT ABOVE DIAGONAL**WEIGHT-STATURE-AGE BELOW IT

		21	22	23	24	25	26	27	28	29	30
52	BUTTOCK CIRC, SIT	-.103	.102	.100	.106	.092	.152	.084	-.097	.080	.116
53	SCYE CIRCUMFERENCE	-.004	-.003	-.004	.002	.076	.058	-.004	-.004	-.056	-.069
54	AXILLARY ARM CIRC	.030	.055	.043	.038	.019	.081	-.018	-.054	-.063	-.104
55	BICEPS CIR,RELAX,R	.013	.017	.010	-.009	-.014	-.005	.011	-.055	-.053	-.042
56	BICEPS CIR, FLEX,R	.027	-.001	-.009	-.021	-.024	-.031	.007	-.021	-.039	-.029
59	ELBOW CIRC, FLEXED	.045	-.065	-.058	-.065	-.048	-.047	-.061	.063	-.033	.010
60	FOREARM CIR, RELAX	.043	-.004	.004	-.036	.005	-.073	-.042	.030	-.119	-.078
61	FOREARM CIR,FLEXED	.037	-.011	-.005	-.033	-.022	-.073	-.040	.033	-.107	-.062
62	WRIST CIRCUMFERENCE	.088	.061	.077	.070	.037	-.018	.002	.059	-.149	-.125
63	BIACROMIAL BREADTH	-.051	.004	-.005	-.037	-.086	-.069	-.239	.013	-.050	-.054
64	BIDELTOID BREADTH	-.039	.003	-.009	-.021	-.016	-.003	-.077	.016	-.052	-.073
65	CHEST BREADTH	-.042	-.002	.022	.048	.002	.037	.013	-.057	-.058	-.092
66	BUSTPT-BUSTPT BRTH	.023	-.054	-.081	-.062	-.125	-.046	-.090	.052	-.006	-.026
67	WAIST BREADTH	-.061	-.063	-.080	-.123	.021	-.202	-.047	.048	-.042	-.063
68	HIP BREADTH	-.108	.134	.146	.160	.094	.138	.118	-.132	.047	.080
69	THIGH-THIGH BR,SIT	-.091	.164	.184	.182	.145	.181	.186	-.164	.001	.033
70	HUMERAL BREADTH, R	.123	.040	.058	.067	.005	.013	.031	.025	-.075	-.072
72	FEMORAL BREADTH, R	.140	.032	.036	.096	-.042	.038	.056	.004	-.042	-.051
74	CHEST DEPTH	.034	-.094	-.106	-.077	-.076	.001	-.055	.063	.016	.004
75	WAIST DEPTH	-.012	-.078	-.088	-.106	.002	-.021	-.034	.032	.030	.007
76	ABDOMINAL EXT DPTH	-.015	-.146	-.139	-.108	-.061	-.010	-.046	.012	.145	.162
77	BUTTOCK DEPTH	-.066	-.061	-.044	-.059	.017	.039	.013	-.030	.216	.302
78	THIGH CLEARANCE	.047	-.164	-.139	-.025	-.141	-.022	-.060	.133	.100	.160
79	SHOULDER LENGTH	-.097	.014	.014	.024	-.070	-.025	-.193	-.013	-.056	-.024
80	NECK-BUST POINT L	-.017	.101	.086	.110	.058	.058	.054	-.057	-.111	-.126
81	STRAP LENGTH	.017	.133	.125	.129	.042	.059	.044	-.091	-.135	-.179
82	INTERSCYE	-.009	-.014	.015	.020	.042	-.007	-.027	-.016	-.048	-.089
83	INTERSCYE, MAXIMUM	-.028	.032	.016	.051	.022	.057	.014	.022	-.049	-.082
84	BACK CURVATURE	.004	-.015	.008	.012	.048	-.018	.023	.002	-.045	-.065
85	WAIST BACK	-.021	.316	.394	.322	.411	-.187	.314	-.214	-.237	-.279
86	ANTERIOR WAIST LTH	.001	.289	.295	.271	.234	-.153	.259	-.155	-.189	-.239
87	SLEEVE INSEAM	-.120	-.396	-.406	-.395	-.319	-.173	-.508	.235	.267	.351
88	SPINE-TO-SCYE LGTH	.032	.034	.024	.047	.036	.001	.030	.040	-.078	-.112
89	SPINE-TO-ELBOW LTH	-.057	-.136	-.152	-.132	-.174	-.055	-.356	.117	.059	.096
90	SPINE-TO-WRIST LTH	-.096	-.300	-.319	-.293	-.271	-.123	-.461	.239	.159	.213
91	HAND LENGTH	.073	-.148	-.155	-.126	-.154	-.091	-.148	.231	.063	.068
92	HAND BREADTH	.054	-.014	-.006	-.014	-.023	-.060	-.035	.125	-.078	-.061
93	HAND CIRCUMFERENCE	.080	-.007	.004	-.015	.000	-.075	-.014	.099	-.106	-.078
94	FOOT LENGTH	-.041	-.143	-.132	-.148	-.130	-.066	-.166	.189	.058	.098
95	FOOT BREADTH	-.005	-.055	-.050	-.091	-.045	-.061	-.087	.033	-.010	.006
96	HEAD LENGTH	.018	.016	.012	-.032	-.073	-.032	-.039	.050	.001	.003
97	HEAD BREADTH	.033	.008	.009	-.033	-.019	-.014	-.010	.010	-.063	-.086
98	HEAD CIRCUMFERENCE	-.037	.004	.022	-.080	-.055	-.068	-.072	.003	.013	.002
104	MENTON-TOP HEAD	-.013	.047	.046	-.115	-.071	-.070	-.080	-.037	-.017	-.031
107	PRONASALE TO WALL	-.038	-.055	-.037	-.050	-.029	-.050	-.102	.041	.057	.078
111	SAGITTAL CURVATURE	-.051	-.100	-.085	-.059	-.008	-.032	-.089	.081	.124	.160
112	BITRAGION-CORONAL	-.048	.117	.133	-.008	.036	-.010	.005	-.130	-.087	-.151
115	BITRAGION BREADTH	-.058	.041	.034	-.024	-.005	-.033	-.036	-.081	-.119	-.218
121	MENTON-SELLION LTH	-.053	-.007	-.003	-.011	-.036	-.061	-.027	.012	-.001	-.008
125	GRIP STRENGTH	-.013	-.055	-.074	-.086	-.105	-.119	-.100	.032	-.051	-.111

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WEIGHT-STATURE PARTIALED OUT ABOVE DIAGONAL**WEIGHT-STATURE-AGE BELOW IT

		31	32	33	34	35	36	37	38	39	40
1	AGE	-.005	-.049	.042	-.025	-.078	.038	.069	.176	.168	.131
2	WEIGHT										
3	TRICEPS SKINFOLD	-.056	-.077	-.058	-.089	-.115	-.063	-.015	-.052	-.022	-.065
4	SUBSCAPULAR SKINFOLD	-.020	-.033	-.047	-.027	-.085	.065	.161	.232	.252	.161
5	SUPRAILIAAC SKINFOLD	-.007	-.075	-.040	-.113	-.079	-.043	.050	.103	.195	.085
6	MEDIAL CALF SKINFOLD	-.067	-.100	-.065	-.049	-.026	-.057	-.175	-.158	-.135	-.136
7	STATURE										
8	STATURE, MAXIMUM	.084	.094	.029	.045	.090	-.029	-.007	-.035	-.030	-.001
9	CERVICAL HEIGHT	.166	.234	.175	.106	.200	-.041	-.090	-.095	-.053	-.054
10	ACROMIAL HEIGHT	.280	.179	.151	.109	.268	-.061	-.052	-.007	.042	.086
11	SUPRASTERNAL HEIGHT	.176	.219	.130	.079	.282	-.108	.006	-.058	-.022	-.021
12	BUSTPOINT HEIGHT	.148	.202	.115	.124	.235	-.013	-.022	-.034	-.102	.084
13	WAIST HEIGHT	.303	.297	.197	.166	.263	-.100	-.026	-.033	-.026	-.057
14	ABDOMINAL EXTENSION HT	.337	.302	.193	.150	.278	-.101	.030	-.033	-.028	-.056
15	TROCHANTERIC HEIGHT	.397	.318	.248	.248	.380	-.069	.017	-.046	-.043	-.010
16	BUTTOCK HEIGHT	.338	.310	.217	.139	.229	-.071	-.009	-.024	.017	.009
17	GLUTEAL FURROW HGT	.308	.306	.225	.186	.243	-.049	.026	.038	.060	.047
18	TIBIAL HEIGHT	.173	.381	.216	.147	.198	.031	-.018	.008	.016	.008
19	CROTCH HEIGHT	.374	.385	.275	.224	.327	-.070	.003	-.038	-.027	-.012
20	ANKLE HEIGHT	-.065	.250	.108	.115	.143	.221	-.004	.093	.057	.048
21	LAT'L MALLEOLUS HT	.018	-.106	-.044	-.063	-.107	-.024	-.017	-.029	.000	-.009
22	SITTING HT, RELAXED	-.326	-.347	-.256	-.188	-.229	.070	-.006	.020	-.024	-.037
23	SITTING HEIGHT	-.332	-.352	-.291	-.167	-.222	.080	-.017	-.005	-.052	-.047
24	EYE HEIGHT, SITTING	-.280	-.342	-.295	-.140	-.205	.038	-.028	-.005	-.034	-.052
25	MIDSHOULDER HT, SIT	-.238	-.262	-.162	-.122	-.132	.068	-.032	-.002	-.025	-.006
26	WAIST HGT, SITTING	-.085	-.154	-.176	-.019	-.088	.024	-.015	.032	-.006	-.057
27	ELBOW REST HEIGHT	-.426	-.357	-.299	-.187	-.226	-.000	-.105	-.073	-.047	-.006
28	POPLITEAL HEIGHT	.220	.256	.195	.077	.144	-.020	.010	-.040	.004	-.012
29	BUTTOCK-POPLIT'L L	.220	.220	.123	.107	.152	-.127	-.069	-.093	-.059	-.067
30	BUTTOCK-KNEE LENGTH	.276	.278	.174	.169	.253	-.133	-.121	-.137	-.113	-.115
31	ACROMION-RADIAL L		.279	.328	.250	.288	-.059	.123	.081	.083	.063
32	RADIAL-STYLION L	.279		.326	.284	.307	.117	-.007	-.023	-.020	-.044
33	THUMB-TIP REACH	.329	.329		.316	.207	.034	.039	.039	.024	.044
34	THUMB-TIP, EXTENDED	.250	.284	.317		.407	.096	.031	.033	-.012	.006
35	OVERHEAD REACH	.289	.304	.211	.407		.049	.045	.013	-.018	.017
36	NECK CIRCUMFERENCE	-.059	.119	.033	.097	.052		.094	.139	.091	.079
37	SHOULDER CIRCUMFER	.124	-.004	.036	.033	.051	.092		.610	.385	.376
38	CHEST CIRC AT SCYE	.083	-.015	.032	.038	.028	.135	.609		.660	.473
39	BUST CIRCUMFERENCE	.085	-.012	.017	-.008	-.005	.085	.379	.649		.504
40	CHEST C BELOW BUST	.064	-.038	.039	.009	.027	.075	.371	.461	.493	
41	WAIST CIRCUMFERENCE	.073	.020	.069	.029	.013	.136	.213	.306	.322	.345
42	ABDOMINAL EXT CIRC	-.022	-.064	-.034	-.063	-.099	-.036	.028	.104	.160	.152
43	HIP C-7" BLW WAIST	-.052	-.008	-.083	-.032	-.081	-.058	-.088	-.073	-.087	-.089
44	HIP C-9" BLW WAIST	-.096	-.034	-.104	-.026	-.066	-.115	-.169	-.187	-.244	-.230
45	UPPER THIGH CIRCUM	-.096	-.059	-.099	-.049	-.141	-.171	-.165	-.226	-.246	-.241
46	KNEE CIRCUMFERENCE	-.149	-.006	-.044	-.027	-.057	-.083	-.297	-.295	-.331	-.286
47	CALF CIRCUM, RIGHT	-.088	-.094	-.021	.000	.016	-.073	-.216	-.263	-.351	-.226
49	ANKLE CIRCUMFERENCE	-.137	-.051	-.032	-.037	-.028	.004	-.159	-.182	-.245	-.137
50	VERTICAL TRUNK CIRC	-.196	-.176	-.170	-.029	-.038	.045	-.085	.092	.095	.022
51	VERT TRUNK CIRC, SIT	-.179	-.211	-.170	-.041	-.023	.071	-.035	.119	.121	.041

TABLE XXXI
TWO AND THREE STEP PARTIAL CORRELATION COEFFICIENTS
WEIGHT-STATURE PARTIALED OUT ABOVE DIAGONAL**WEIGHT-STATURE-AGE BELOW IT

		31	32	33	34	35	36	37	38	39	40
52	BUTTOCK CIRC, SIT	-.038	-.005	-.088	-.015	-.026	-.066	-.169	-.126	-.148	-.140
53	SCYE CIRCUMFERENCE	.150	.043	.042	.052	.043	.114	.246	.328	.214	.187
54	AXILLARY ARM CIRC	-.065	-.061	-.034	-.034	-.061	.089	.346	.378	.266	.099
55	BICEPS CIR, RELAX, R	-.146	-.099	-.059	-.062	-.060	-.008	.155	.141	.046	.015
56	BICEPS CIR, FLEX, R	-.117	-.063	-.059	-.049	-.055	.003	.178	.110	.009	.006
59	ELBOW CIRC, FLEXED	.042	.106	.039	.067	.127	.068	.111	.137	.043	.039
60	FOREARM CIR, RELAX	-.044	-.006	-.007	.031	.066	.116	.182	.122	-.045	.008
61	FOREARM CIR, FLEXED	-.032	.004	.006	.019	.074	.084	.168	.125	-.035	.004
62	WRIST CIRCUMFERENCE	.035	.047	.083	.057	.041	.111	.113	.089	-.005	.035
63	BIACROMIAL BREADTH	.012	.091	.064	.098	.143	.141	.439	.227	.031	.075
64	BIDELTOID BREADTH	.031	.001	.031	.026	.076	.135	.654	.485	.268	.248
65	CHEST BREADTH	.051	-.012	-.110	.067	.050	.094	.445	.449	.371	.421
66	BUSTPT-BUSTPT BRTH	.098	.011	.010	-.006	.026	-.000	.126	.198	.504	.158
67	WAIST BREADTH	.041	.001	.121	-.001	.009	.124	.198	.244	.219	.295
68	HIP BREADTH	-.072	-.049	-.096	.022	-.027	-.102	-.142	-.175	-.230	-.215
69	THIGH-THIGH BR, SIT	-.115	-.116	-.150	-.005	-.063	-.140	-.226	-.237	-.233	-.246
70	HUMERAL BREADTH, R	.004	.008	.005	.049	.028	.028	.081	.049	.002	.035
72	FEMORAL BREADTH, R	.017	-.025	-.078	.001	-.058	-.039	-.052	-.047	-.071	-.021
74	CHEST DEPTH	.106	.021	.026	.000	-.010	.039	.150	.329	.668	.339
75	WAIST DEPTH	.079	-.009	.075	-.036	-.035	.050	.062	.139	.220	.211
76	ABDOMINAL EXT DPTH	.059	.013	.048	.011	-.015	-.039	-.043	.034	.136	.116
77	BUTTOCK DEPTH	-.072	-.008	.015	.046	.001	-.044	-.102	-.096	-.081	-.112
78	THIGH CLEARANCE	.047	.072	-.063	.019	.016	-.047	-.040	-.108	-.140	-.109
79	SHOULDER LENGTH	-.035	.052	.052	.108	.097	-.034	.247	.094	-.036	-.015
80	NECK-BUST POINT L	-.003	-.054	-.037	-.036	-.044	-.010	.055	.141	.353	.020
81	STRAP LENGTH	-.035	-.069	-.057	-.056	-.066	.111	.142	.195	.374	.046
82	INTERSCYE	-.018	-.027	.072	-.020	-.008	.083	.446	.354	.254	.211
83	INTERSCYE, MAXIMUM	-.039	.021	.006	.025	-.039	.104	.268	.270	.140	.151
84	BACK CURVATURE	.113	-.057	.022	-.021	-.022	.057	.304	.286	.267	.334
85	WAIST BACK	-.170	-.140	-.062	-.064	-.073	.047	-.025	-.075	-.050	.013
86	ANTERIOR WAIST LTH	-.156	-.155	-.110	-.097	-.076	.004	.086	.089	.175	.131
87	SLEEVE INSEAM	.472	.613	.450	.390	.408	.073	.024	-.043	-.048	-.040
88	SPINE-TO-SCYE LGTH	-.051	-.044	.055	-.031	-.073	.009	.278	.255	.158	.137
89	SPINE-TO-ELBOW LTH	.433	.177	.254	.196	.226	.024	.312	.178	.075	.089
90	SPINE-TO-WRIST LTH	.482	.480	.380	.317	.345	.091	.265	.145	.052	.080
91	HAND LENGTH	.242	.103	.210	.128	.128	-.064	.069	-.029	-.057	-.018
92	HAND BREADTH	.062	.077	.119	.069	.051	.164	.060	.031	-.031	.015
93	HAND CIRCUMFERENCE	.036	.074	.109	.031	.034	.087	.055	.080	-.017	.007
94	FOOT LENGTH	.136	.236	.241	.166	.175	.040	-.047	-.058	-.076	-.049
95	FOOT BREADTH	.004	.101	.109	.098	.121	.050	-.032	-.046	-.134	-.066
96	HEAD LENGTH	.042	.008	-.007	.045	.008	-.002	.032	-.025	-.017	-.022
97	HEAD BREADTH	-.009	.001	.026	-.034	-.011	.137	.005	-.016	.014	.036
98	HEAD CIRCUMFERENCE	.025	.102	.045	.109	.080	.134	.024	-.041	-.045	-.047
104	MENTON-TOP HEAD	-.027	.066	.070	.028	.042	.099	.023	-.027	-.068	-.043
107	PRONASALE TO WALL	.029	.132	.089	.113	.128	.077	.017	.019	.006	-.031
111	SAGITTAL CURVATURE	.064	.129	.104	.112	.133	.092	.169	.175	.156	.115
112	BITRAGION-CORONAL	-.089	.049	-.054	.054	-.005	.174	-.094	-.069	-.126	-.123
115	BITRAGION BREADTH	-.047	-.017	-.044	-.012	-.011	-.219	-.268	-.284	-.332	-.229
121	MENTON-SELLION LTH	.005	.043	.007	.033	.032	-.050	-.106	-.136	-.135	-.149
125	GRIP STRENGTH	.008	.088	.011	.010	.063	-.211	-.385	-.356	-.393	-.370

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TABLE XXXI
TWO AND THREE STEP PARTIAL CORRELATION COEFFICIENTS
WEIGHT-STATURE PARTIALED OUT ABOVE DIAGONAL**WEIGHT-STATURE-AGE BELOW IT

		41	42	43	44	45	46	47	49	50	51
1	AGE	.067	.184	.047	.025	-.105	-.077	-.208	-.194	.210	.175
2	WEIGHT										
3	TRICEPS SKINFOLD	-.011	.126	.128	.136	.179	.136	.006	-.033	.021	.026
4	SUBSCAPULAR SKINFOLD	.287	.250	.082	-.051	-.071	-.171	-.259	-.235	.029	.056
5	SUPRAILAC SKINFOLD	.275	.213	.071	-.015	.059	-.108	-.188	-.172	-.096	-.039
6	MEDIAL CALF SKINFOLD	-.099	.013	.063	.121	.163	.281	.232	.156	.012	-.005
7	STATURE										
8	STATURE, MAXIMUM	-.066	-.099	-.137	-.030	-.060	-.023	-.047	-.010	.014	.067
9	CERVICAL HEIGHT	.012	-.104	-.150	-.066	-.055	-.037	-.116	-.054	-.045	.005
10	ACROMIAL HEIGHT	.044	-.043	-.094	-.089	-.091	-.082	-.144	-.087	.115	.144
11	SUPRASTERNAL HEIGHT	-.050	-.166	-.171	-.104	-.107	-.028	-.103	-.051	-.055	-.052
12	BUST POINT HEIGHT	-.042	-.110	-.044	-.057	-.007	.012	.003	.007	-.040	-.039
13	WAIST HEIGHT	-.119	-.078	-.097	-.012	-.002	-.039	-.121	-.130	-.303	-.271
14	ABDOMINAL EXTENSION HT	-.057	-.263	-.102	-.061	.027	-.022	-.041	-.079	-.398	-.367
15	TROCHANTERIC HEIGHT	.042	-.099	-.101	-.099	-.052	-.055	-.035	-.112	-.315	-.329
16	BUTTOCK HEIGHT	.081	-.029	-.048	-.157	-.025	-.037	-.125	-.143	-.449	-.409
17	GLUTEAL FURROW HGT	.098	-.002	-.051	-.174	.001	-.065	-.072	-.117	-.435	-.411
18	TIBIAL HEIGHT	-.016	-.061	-.091	-.079	.016	-.009	-.058	.018	-.329	-.309
19	CROTCH HEIGHT	.016	-.137	-.195	-.167	-.050	-.037	-.088	-.104	-.488	-.469
20	ANKLE HEIGHT	.079	.012	-.067	-.023	-.087	-.007	-.122	-.012	.000	-.002
21	LAT'L MALLEOLUS HT	-.043	-.042	-.047	-.096	-.022	.084	.072	.067	-.068	-.046
22	SITTING HT, RELAXED	-.118	.007	.011	.142	-.002	.021	.063	.102	.484	.528
23	SITTING HEIGHT	-.123	-.003	.026	.154	.007	.027	.077	.130	.518	.567
24	EYE HEIGHT, SITTING	-.148	.028	.040	.146	.019	.029	.050	.095	.470	.512
25	MIDSHOULDER HT, SIT	-.034	.034	.046	.118	.005	-.007	-.018	.082	.600	.676
26	WAIST HGT, SITTING	-.153	.105	.051	.171	.078	-.012	-.071	.001	.257	.325
27	ELBOW REST HEIGHT	-.078	.042	.054	.118	.079	.060	.008	.083	.484	.551
28	POPLITEAL HEIGHT	-.001	-.098	-.110	-.144	-.026	-.052	-.017	-.043	-.364	-.334
29	BUTTOCK-POPLIT'L L	.005	-.030	.112	.100	.106	-.002	-.145	-.178	-.250	-.294
30	BUTTOCK-KNEE LENGTH	-.032	-.087	.108	.125	.114	.047	-.048	-.111	-.321	-.363
31	ACROMION-RADIAL L	.072	-.022	-.052	-.096	-.095	-.148	-.085	-.134	-.192	-.177
32	RADIAL-STYLION L	.017	-.072	-.010	-.035	-.054	-.002	-.082	-.040	-.182	-.216
33	THUMB-TIP REACH	.071	-.026	-.081	-.103	-.103	-.047	-.029	-.040	-.157	-.160
34	THUMB-TIP, EXTENDED	.027	-.067	-.034	-.026	-.047	-.025	.005	-.031	-.034	-.044
35	OVERHEAD REACH	.008	-.112	-.084	-.068	-.132	-.051	.032	-.012	-.054	-.037
36	NECK CIRCUMFERENCE	.138	-.029	-.056	-.114	-.174	-.086	-.079	-.003	.052	.076
37	SHOULDER CIRCUMFERENCE	.217	.040	-.085	-.167	-.171	-.300	-.226	-.169	-.068	-.022
38	CHEST CIRC AT SCYE	.313	.133	-.063	-.180	-.239	-.303	-.290	-.210	.125	.146
39	BUST CIRCUMFERENCE	.328	.186	-.078	-.236	-.259	-.338	-.373	-.270	.127	.146
40	CHEST C BELOW BUST	.350	.172	-.082	-.224	-.251	-.292	-.246	-.159	.049	.063
41	WAIST CIRCUMFERENCE		.381	.166	-.137	-.190	-.276	-.337	-.238	-.015	.025
42	ABDOMINAL EXT CIRC	.376		.367	.130	.013	-.167	-.289	-.225	.067	.089
43	HIP C-7" BLW WAIST	.163	.365		.682	.400	.059	-.060	-.084	.113	.123
44	HIP C-9" BLW WAIST	-.139	.128	.682		.547	.198	.052	-.001	.201	.192
45	UPPER THIGH CIRCUM	-.185	.033	.407	.553		.278	.155	.028	.027	-.005
46	KNEE CIRCUMFERENCE	-.273	-.156	.063	.201	.273		.456	.385	.004	-.038
47	CALF CIRCUM, RIGHT	-.331	-.261	-.051	.058	.137	.452		.589	-.037	-.069
49	ANKLE CIRCUMFERENCE	-.229	-.196	-.076	.004	.008	.378	.572		.002	.005
50	VERTICAL TRUNK CIRC	-.030	.030	.106	.200	.051	.021	.007	.044		.809
51	VERT TRUNK CIRC, SIT	.014	.059	.116	.191	.014	-.025	-.034	.040	.803	

TABLE XXXI
TWO AND THREE STEP PARTIAL CORRELATION COEFFICIENTS
WEIGHT-STATURE PARTIALED OUT ABOVE DIAGONAL**WEIGHT-STATURE-AGE BELOW IT

	41	42	43	44	45	46	47	49	50	51
52 BUTTOCK CIRC, SIT	.024	.228	.623	.682	.346	.115	-.059	-.086	.204	.205
53 SCYE CIRCUMFERENCE	.181	.075	-.051	-.125	-.158	-.184	-.183	-.098	.134	.136
54 AXILLARY ARM CIRC	.152	.145	.010	-.062	-.032	-.152	-.191	-.171	.123	.121
55 BICEPS CIR,RELAX,R	-.029	.041	-.009	-.037	.042	.048	.027	.002	.061	.034
56 BICEPS CIR, FLEX,R	-.048	-.008	-.042	-.078	.017	.045	.031	.012	-.005	-.018
59 ELBOW CIRC, FLEXED	.028	-.095	-.078	-.102	-.095	.052	-.012	.084	-.002	-.014
60 FOREARM CIR, RELAX	-.033	-.167	-.126	-.169	-.122	.155	.171	.246	-.034	-.047
61 FOREARM CIR,FLEXED	-.039	-.170	-.125	-.155	-.101	.131	.164	.217	-.038	-.046
62 WRIST CIRCUMFERNCE	-.015	-.163	-.158	-.183	-.222	.124	.123	.347	-.007	.018
63 BIACROMIAL BREADTH	.033	-.080	-.080	-.035	-.107	-.068	.022	.063	-.071	-.065
64 BIDELOID BREADTH	.167	.034	-.031	-.062	-.091	-.191	-.164	-.104	-.022	.010
65 CHEST BREADTH	.219	.101	-.027	-.142	-.184	-.231	-.179	-.113	.037	.060
66 BUSTPT-BUSTPT BRTH	.147	.051	-.087	-.174	-.135	-.182	-.181	-.128	-.021	-.005
67 WAIST BREADTH	.703	.208	.089	-.085	-.144	-.190	-.227	-.155	-.033	.011
68 HIP BREADTH	-.146	.103	.508	.712	.424	.177	.105	.041	.109	.136
69 THIGH-THIGH BR,SIT	-.177	.139	.456	.650	.505	.225	.097	-.006	.158	.183
70 HUMERAL BREADTH, R	-.085	-.139	-.093	-.090	-.108	.103	.104	.207	-.006	.030
72 FEMORAL BREADTH, R	-.093	-.064	-.060	-.031	-.006	.265	.129	.175	-.048	-.018
74 CHEST DEPTH	.245	.151	-.065	-.208	-.193	-.260	-.308	-.228	.016	.050
75 WAIST DEPTH	.571	.293	.009	-.178	-.222	-.207	-.312	-.224	.012	.022
76 ABDOMINAL EXT DPTH	.378	.425	.142	-.065	-.092	-.164	-.273	-.248	.005	-.005
77 BUTTOCK DEPTH	.006	.077	.303	.273	.254	.046	-.041	-.080	.164	.105
78 THIGH CLEARANCE	-.167	-.124	-.010	.045	.219	.142	.110	.034	-.107	-.151
79 SHOULDER LENGTH	-.034	-.049	-.066	.017	-.020	-.023	.061	.066	-.079	-.077
80 NECK-BUST POINT L	.118	.093	-.051	-.047	-.092	-.132	-.149	-.080	.045	.065
81 STRAP LENGTH	.164	.086	-.049	-.084	-.138	-.159	-.158	-.104	.046	.067
82 INTERSCYE	.146	.053	-.032	-.110	-.157	-.156	-.125	-.072	-.055	.003
83 INTERSCYE, MAXIMUM	.090	.072	-.019	-.027	-.070	-.093	-.107	-.026	-.071	-.002
84 BACK CURVATURE	.178	.092	-.003	-.099	-.152	-.158	-.102	-.088	-.021	.060
85 WAIST BACK	.073	-.077	-.023	-.024	-.071	.033	.101	.127	.259	.308
86 ANTERIOR WAIST LTH	.129	-.005	-.056	-.107	-.098	-.048	-.036	.013	.296	.231
87 SLEEVE INSEAM	.029	-.081	-.041	-.041	-.049	-.016	-.021	-.032	-.293	-.298
88 SPINE-TO-SCYE LGTH	.034	-.007	-.070	-.103	-.097	-.074	-.078	-.022	-.066	-.012
89 SPINE-TO-ELBOW LTH	-.008	-.054	-.089	-.070	-.105	-.103	-.015	-.037	-.215	-.170
90 SPINE-TO-WRIST LTH	.015	-.095	-.090	-.099	-.125	-.100	-.058	-.052	-.279	-.253
91 HAND LENGTH	-.029	-.148	-.134	-.168	-.145	-.050	.016	.052	-.191	-.169
92 HAND BREADTH	-.082	-.132	-.170	-.180	-.156	-.007	.070	.184	-.094	-.079
93 HAND CIRCUMFERENCE	-.040	-.183	-.194	-.213	-.174	.033	.072	.229	-.014	-.017
94 FOOT LENGTH	-.016	-.175	-.118	-.114	-.161	.035	.072	.192	-.150	-.127
95 FOOT BREADTH	-.061	-.141	-.076	-.068	-.093	.079	.167	.227	-.038	-.049
96 HEAD LENGTH	-.139	-.162	-.115	-.076	-.050	-.047	.021	.029	-.080	-.094
97 HEAD BREADTH	.039	.029	-.037	-.054	-.029	.010	.003	.027	-.073	-.059
98 HEAD CIRCUMFERENCE	-.053	-.139	-.111	-.071	-.082	.001	.011	.040	-.058	-.093
104 MENTON-TOP HEAD	-.087	-.176	-.114	-.076	-.081	.028	.054	.072	-.042	-.089
107 PRONASALE TO WALL	-.061	-.155	-.067	-.066	-.065	-.015	.016	.059	-.003	-.042
111 SAGITTAL CURVATURE	.150	.022	.122	.076	.088	.057	.045	.047	.041	.017
112 BITRAGON-CORONAL	-.195	-.194	-.229	-.144	-.184	-.104	-.078	-.004	.001	-.014
115 BITRAGON BREADTH	-.295	-.319	-.472	-.422	-.411	-.252	-.235	-.097	-.198	-.159
121 MENTON-SELLION LTH	-.136	-.206	-.206	-.201	-.177	-.092	-.077	-.027	-.091	-.102
125 GRIP STRENGTH	-.432	-.466	-.583	-.564	-.532	-.335	-.310	-.150	-.273	-.227

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WEIGHT-STATURE PARTIALED OUT ABOVE DIAGONAL **WEIGHT-STATURE-AGE BELOW IT

		52	53	54	55	56	59	60	61	62	63
1	AGE	.163	.138	.069	.169	.178	.018	.004	-.016	-.043	.070
2	WEIGHT										
3	TRICEPS SKINFOLD	.078	.033	.269	.384	.321	-.007	.085	.078	-.071	-.129
4	SUBSCAPULAR SKINFOLD	-.009	.158	.323	.166	.111	.002	-.052	-.040	-.083	-.071
5	SUPRAILAC SKINFOLD	-.017	.043	.243	.087	.045	-.005	-.060	-.028	-.054	-.140
6	MEDIAL CALF SKINFOLD	.070	-.091	-.002	.145	.100	.001	.028	.025	-.040	-.133
7	STATURE										
8	STATURE, MAXIMUM	-.024	.001	-.031	-.063	-.059	-.008	-.036	-.029	.030	.002
9	CERVICAL HEIGHT	-.037	.006	-.058	-.087	-.087	.024	-.036	-.021	-.026	-.007
10	ACROMIAL HEIGHT	-.010	.139	-.099	-.073	-.060	.045	-.000	-.021	-.030	-.148
11	SUPRASTERNAL HEIGHT	-.059	.023	-.029	-.023	-.003	.070	.047	.046	.012	-.010
12	BUSTPOINT HEIGHT	-.048	-.010	-.049	-.043	-.055	.057	.043	.036	-.015	.008
13	WAIST HEIGHT	.020	.002	-.065	-.096	-.097	.008	-.069	-.070	-.072	-.033
14	ABDOMINAL EXTENSION HT	-.077	-.014	-.080	-.090	-.055	.069	.002	.026	-.041	-.018
15	TROCHANTERIC HEIGHT	-.038	.011	-.115	-.074	-.068	.084	-.006	-.011	-.060	.023
16	BUTTOCK HEIGHT	-.075	.004	-.036	-.076	-.046	.043	-.048	-.028	-.055	-.066
17	GLUTEAL FURROW HEIGHT	-.141	.036	-.009	-.026	-.021	.063	.009	.020	-.082	-.021
18	TIBIAL HEIGHT	-.077	.003	-.039	-.097	-.081	.057	-.000	.027	-.004	.012
19	CROTCH HEIGHT	-.127	-.011	-.078	-.093	-.077	.065	-.016	-.004	-.037	.000
20	ANKLE HEIGHT	-.010	.089	.095	-.008	-.017	.049	.024	.024	.064	.063
21	LAT'L MALLEOLUS HT	-.107	-.009	.027	.007	.021	.044	.043	.037	.089	-.053
22	SITTING HT, RELAXED	.115	.009	.061	.032	.015	-.063	-.004	-.012	.057	.010
23	SITTING HEIGHT	.109	.004	.047	.021	.002	-.057	.004	-.006	.074	-.001
24	EYE HEIGHT, SITTING	.118	.014	.044	.006	-.005	-.063	-.035	-.034	.065	-.031
25	MIDSHOULDER HT, SIT	.107	.089	.026	.004	-.005	-.046	.005	-.024	.032	-.078
26	WAIST HEIGHT, SITTING	.164	.069	.086	.011	-.015	-.045	-.072	-.074	-.022	-.062
27	ELBOW REST HEIGHT	.087	-.001	-.016	.015	.011	-.060	-.042	-.041	.001	-.237
28	POPITEAL HEIGHT	-.119	-.025	-.064	-.079	-.048	.059	.029	.035	.065	.002
29	BUTTOCK-POPIT'L L	.078	-.056	-.064	-.054	-.040	-.033	-.119	-.107	-.148	-.051
30	BUTTOCK-KNEE LENGTH	.098	-.082	-.110	-.058	-.046	.008	-.078	-.060	-.120	-.061
31	ACROMION-RADIAL L	-.038	.147	-.065	-.145	-.116	.042	-.044	-.032	.035	.012
32	RADIAL-STYLION L	-.013	.036	-.064	-.105	-.071	.105	-.006	.004	.050	.087
33	THUMB-TIP REACH	-.080	.048	-.031	-.051	-.051	.039	-.007	.005	.081	.067
34	THUMB-TIP, EXTENDED	-.019	.048	-.036	-.066	-.053	.066	.031	.019	.058	.096
35	OVERHEAD REACH	-.038	.032	-.066	-.072	-.068	.125	.066	.075	.044	.137
36	NECK CIRCUMFERENCE	-.059	.118	.092	-.001	.009	.068	.116	.084	.109	.143
37	SHOULDER CIRCUMFERENCE	-.155	.253	.349	.164	.187	.112	.182	.167	.110	.442
38	CHEST CIRC AT SCYE	-.094	.344	.384	.167	.138	.138	.121	.120	.080	.235
39	BUST CIRCUMFERENCE	-.116	.232	.273	.073	.038	.046	-.043	-.037	-.012	.042
40	CHEST C BELOW BUST	-.115	.201	.107	.036	.030	.041	.008	.002	.029	.083
41	WAIST CIRCUMFERENCE	.035	.188	.156	-.017	-.035	.029	-.033	-.040	-.017	.037
42	ABDOMINAL EXT CIRC	.251	.098	.155	.070	.025	-.091	-.163	-.170	-.168	-.066
43	HIP C-7" BLW WAIST	.622	-.044	.014	-.001	-.033	-.077	-.125	-.126	-.160	-.076
44	HIP C-9" BLW WAIST	.677	-.121	-.060	-.032	-.072	-.102	-.169	-.155	-.184	-.033
45	UPPER THIGH CIRCUM	.322	-.170	-.039	.024	-.002	-.096	-.122	-.099	-.216	-.114
46	KNEE CIRCUMFERENCE	.100	-.192	-.156	.034	.031	.051	.155	.132	.127	-.073
47	CALF CIRCUM, RIGHT	-.091	-.206	-.201	-.009	-.007	-.016	.167	.164	.129	.007
49	ANKLE CIRCUMFERENCE	-.115	-.122	-.181	-.031	-.023	.079	.241	.216	.348	.048
50	VERTICAL TRUNK CIRC	.231	.158	.134	.095	.033	.002	-.033	-.041	-.015	-.055
51	VERT TRUNK CIRC, SIT	.227	.156	.131	.063	.013	-.010	-.045	-.048	.010	-.052

ALL ENTRIES ON THIS PAGE ARE ABOVE THE DIAGONAL

TABLE XXXI
TWO AND THREE STEP PARTIAL CORRELATION COEFFICIENTS
WEIGHT-STATURE PARTIALED OUT ABOVE DIAGONAL **WEIGHT-STATURE-AGE BELOW IT

	52	53	54	55	56	59	60	61	62	63
52 BUTTOCK CIRC, SIT		-.059	-.068	-.064	-.094	-.068	-.196	-.174	-.202	-.054
53 SCYE CIRCUMFERENCE	-.084		.528	.313	.289	.196	.254	.236	.183	-.003
54 AXILLARY ARM CIRC	-.080	.525		.582	.506	.144	.261	.231	.067	.062
55 BICEPS CIR, RELAX, R	-.094	.297	.580		.879	.247	.439	.409	.085	-.041
56 BICEPS CIR, FLEX, R	-.127	.271	.503	.875		.323	.481	.471	.139	-.029
59 ELBOW CIRC, FLEXED	-.072	.196	.143	.248	.325		.429	.652	.285	.072
60 FOREARM CIR, RELAX	-.200	.256	.261	.444	.488	.429		.805	.464	.099
61 FOREARM CIR, FLEXED	-.173	.241	.233	.418	.481	.652	.805		.424	.087
62 WRIST CIRCUMFERENCE	-.198	.191	.070	.094	.149	.286	.464	.424		.104
63 BIACROMIAL BREADTH	-.066	-.013	.058	-.054	-.043	.071	.099	.088	.108	
64 BIDELOID BREADTH	-.103	.213	.341	.152	.155	.082	.140	.126	.076	.493
65 CHEST BREADTH	-.087	.139	.094	.009	.009	.023	.038	.023	.037	.231
66 BUSTPT-BUSTPT BRTH	-.091	.057	.063	-.028	-.018	.029	-.025	-.035	.012	-.034
67 WAIST BREADTH	.019	.153	.093	-.015	-.036	.024	.011	-.006	.021	.084
68 HIP BREADTH	.537	-.138	-.083	-.024	-.072	-.101	-.155	-.135	-.167	-.009
69 THIGH-THIGH BR, SIT	.571	-.170	-.096	-.013	-.072	-.163	-.221	-.193	-.274	-.068
70 HUMERAL BREADTH, R	-.127	.114	.032	.099	.141	.219	.388	.328	.398	.078
72 FEMORAL BREADTH, R	-.046	-.004	-.057	-.006	.012	.074	.108	.104	.198	-.023
74 CHEST DEPTH	-.130	.124	.142	.011	.001	-.029	-.097	-.090	-.007	-.144
75 WAIST DEPTH	.043	.101	.065	-.063	-.077	-.009	-.100	-.098	-.031	-.081
76 ABDOMINAL EXT DPTH	.138	.029	.032	-.044	-.087	-.105	-.188	-.193	-.146	-.130
77 BUTTOCK DEPTH	.280	-.024	.000	-.027	-.039	-.035	-.101	-.095	-.123	-.118
78 THIGH CLEARANCE	-.031	-.026	-.027	.020	.062	.036	.020	.020	.023	-.062
79 SHOULDER LENGTH	-.049	-.102	.008	-.045	-.062	.020	.026	.036	.060	.547
80 NECK-BUST POINT L	-.013	.060	.064	-.041	-.039	-.053	-.103	-.075	.013	-.021
81 STRAP LENGTH	-.048	.093	.106	-.008	.001	-.025	-.051	-.022	.035	.042
82 INTERSCYE	-.083	.037	.042	-.038	-.040	.012	.018	.028	.024	.258
83 INTERSCYE, MAXIMUM	-.019	.116	.083	-.016	.010	-.003	.037	.043	.064	.183
84 BACK CURVATURE	-.073	.101	.033	-.040	-.024	-.028	.002	-.016	.034	.073
85 WAIST BACK	-.061	-.030	-.039	.015	.023	.027	.085	.082	.111	.027
86 ANTERIOR WAIST LTH	-.098	.047	.103	.071	.075	.020	.030	.050	.061	-.022
87 SLEEVE INSEAM	-.027	-.063	-.122	-.170	-.135	.051	-.018	-.027	.027	.174
88 SPINE-TO-SCYE LGTH	-.068	.055	.042	-.012	-.010	.017	.058	.055	.070	.204
89 SPINE-TO-ELBOW LTH	-.073	.059	-.004	-.097	-.079	-.002	.049	.021	.078	.356
90 SPINE-TO-WRIST LTH	-.085	.085	-.032	-.115	-.081	.074	.084	.054	.118	.343
91 HAND LENGTH	-.154	.036	-.136	-.101	-.023	.141	.143	.139	.299	.100
92 HAND BREADTH	-.173	.107	-.036	-.014	.055	.138	.245	.216	.423	.096
93 HAND CIRCUMFERENCE	-.223	.212	.074	.073	.140	.261	.372	.374	.575	.123
94 FOOT LENGTH	-.087	.002	-.180	-.169	-.130	.105	.097	.075	.257	.105
95 FOOT BREADTH	-.066	.012	-.112	-.089	-.053	.112	.136	.123	.271	.126
96 HEAD LENGTH	-.099	-.069	-.090	-.050	-.029	.053	.041	.046	.051	.054
97 HEAD BREADTH	-.074	-.033	-.029	-.070	-.082	-.043	.000	-.001	.011	.041
98 HEAD CIRCUMFERENCE	-.094	-.086	-.109	-.104	-.084	.016	.041	.030	.038	.105
104 MENTON-TOP HEAD	-.097	-.031	-.085	-.044	-.025	.065	.082	.075	.040	.136
107 PRONASALE TO WALL	-.072	-.016	-.059	-.043	-.040	.069	.073	.051	.047	.086
111 SAGITTAL CURVATURE	.101	.110	.111	.096	.082	.106	.164	.148	.109	.078
112 BITRAGION-CORONAL	-.184	-.092	-.134	-.156	-.154	-.018	-.066	-.065	-.075	.055
115 BITRAGION BREADTH	-.472	-.256	-.394	-.417	-.416	-.128	-.255	-.241	-.091	-.002
121 MENTON-SELLION LTH	-.195	-.082	-.187	-.159	-.124	.019	-.041	-.043	.015	.008
125 GRIP STRENGTH	-.605	-.311	-.476	-.509	-.475	-.087	-.345	-.311	-.108	-.031

TABLE XXXI
TWO AND THREE STEP PARTIAL CORRELATION COEFFICIENTS
WEIGHT-STATURE PARTIALED OUT ABOVE DIAGONAL**WEIGHT-STATURE-AGE BELOW IT

		64	65	66	67	68	69	70	72	74	75
1	AGE	.064	.096	.022	-.053	.027	.142	.047	.017	.176	.171
2	WEIGHT										
3	TRICEPS SKINFOLD	.025	-.092	-.045	-.034	.103	.144	-.084	.028	.020	-.018
4	SUBSCAPULAR SKINFOLD	.126	.071	.070	.146	-.074	-.089	-.171	-.056	.255	.233
5	SUPRAILIAC SKINFOLD	.064	-.023	.111	.209	-.047	-.062	-.091	-.031	.191	.160
6	MEDIAL CALF SKINFOLD	-.122	-.143	-.108	-.059	.122	.164	-.064	.036	-.092	-.071
7	STATURE										
8	STATURE, MAXIMUM	-.047	.021	-.033	.032	-.025	.009	.048	.075	.022	-.041
9	CERVICAL HEIGHT	-.072	-.075	-.024	.034	-.058	-.048	.001	.028	.045	.031
10	ACROMIAL HEIGHT	-.024	.074	.025	.054	-.100	-.072	.006	.006	.057	.048
11	SUPRASTERNAL HEIGHT	-.048	-.038	.059	-.032	-.120	-.130	.051	.025	.030	.001
12	BUST POINT HEIGHT	-.029	.007	-.058	-.037	-.073	-.085	.005	-.022	-.064	-.044
13	WAIST HEIGHT	-.047	-.071	.035	-.062	-.032	-.069	-.019	-.014	.075	-.014
14	ABDOMINAL EXTENSION HT	-.038	-.058	.059	-.001	-.077	-.142	.029	.010	.040	-.080
15	TROCHANTERIC HEIGHT	-.035	-.038	.028	.029	-.079	-.113	-.048	-.073	.043	.058
16	BUTTOCK HEIGHT	-.020	-.046	.055	.083	-.170	-.159	-.077	-.013	.086	.084
17	GLUTEAL FURROW HEIGHT	-.004	-.018	.057	.088	-.147	-.185	-.061	-.042	.095	.050
18	TIBIAL HEIGHT	.031	-.039	.036	.013	-.071	-.124	.013	.058	.039	-.029
19	CROTCH HEIGHT	-.044	-.030	.038	.048	-.159	-.174	-.029	.002	.051	.000
20	ANKLE HEIGHT	.086	-.010	-.020	.080	-.018	-.050	.009	.011	.062	.049
21	LAT'L MALLEOLUS HT	-.041	-.045	.022	-.059	-.108	-.094	.121	.140	.028	-.017
22	SITTING HT, RELAXED	.008	.007	-.052	-.068	.136	.174	.044	.033	-.076	-.061
23	SITTING HEIGHT	-.005	.028	-.079	-.083	.147	.191	.061	.037	-.093	-.076
24	EYE HEIGHT, SITTING	-.015	.056	-.060	-.127	.161	.192	.071	.097	-.059	-.089
25	MIDSHOULDER HT, SIT	-.009	.012	-.122	.016	.096	.157	.010	-.040	-.056	.019
26	WAIST HT, SITTING	.003	.045	-.044	-.206	.140	.191	.017	.039	.017	-.005
27	ELBOW REST HEIGHT	-.075	.015	-.089	-.048	.118	.187	.032	.056	-.050	-.029
28	POPLITEAL HEIGHT	.006	-.071	.048	.055	-.135	-.183	.018	.001	.034	.005
29	BUTTOCK-POPLIT'L L	-.052	-.058	-.006	-.042	.047	-.001	-.076	-.042	.014	.029
30	BUTTOCK-KNEE LENGTH	-.078	-.101	-.028	-.057	.077	.018	-.076	-.052	-.014	-.010
31	ACROMION-RADIAL L	.031	.050	.098	.042	-.072	-.115	.004	.017	.104	.077
32	RADIAL-STYLION L	-.002	-.017	.010	.003	-.050	-.121	.006	-.026	.012	-.017
33	THUMB-TIP REACH	.034	-.106	.011	.118	-.095	-.143	.007	-.077	.033	.080
34	THUMB-TIP, EXTENDED	.024	.065	-.007	.000	.022	-.009	.048	.001	-.004	-.039
35	OVERHEAD REACH	.070	.042	.024	.013	-.029	-.073	.024	-.060	-.024	-.048
36	NECK CIRCUMFERENCE	.137	.097	.000	.121	-.101	-.133	.030	-.038	.045	.056
37	SHOULDER CIRCUMFERENCE	.656	.449	.127	.194	-.140	-.213	.084	-.051	.160	.073
38	CHEST CIRC AT SCYE	.487	.457	.199	.230	-.167	-.206	.056	-.043	.350	.165
39	BUST CIRCUMFERENCE	.274	.381	.501	.206	-.222	-.204	.010	-.067	.678	.243
40	CHEST C BELOW BUST	.254	.428	.160	.285	-.210	-.222	.041	-.018	.354	.229
41	WAIST CIRCUMFERENCE	.170	.224	.148	.697	-.144	-.165	-.082	-.091	.253	.572
42	ABDOMINAL EXT CIRC	.045	.117	.054	.194	.106	.162	-.128	-.060	.178	.315
43	HIP C-7" BLW WAIST	-.028	-.022	-.086	.086	.508	.458	-.091	-.060	-.055	.017
44	HIP C-9" BLW WAIST	-.060	-.139	-.173	-.086	.712	.647	-.089	-.030	-.200	-.171
45	UPPER THIGH CIRCUM	-.097	-.192	-.136	-.137	.419	.482	-.112	-.008	-.208	-.235
46	KNEE CIRCUMFERENCE	-.195	-.237	-.183	-.185	.174	.211	.099	.263	-.269	-.217
47	CALF CIRCUM, RIGHT	-.173	-.194	-.182	-.211	.097	.064	.092	.123	-.334	-.336
49	ANKLE CIRCUMFERENCE	-.114	-.129	-.130	-.141	.035	-.033	.194	.168	-.254	-.249
50	VERTICAL TRUNK CIRC	-.008	.056	-.016	-.044	.112	.183	.004	-.043	.053	.048
51	VERT TRUNK CIRC, SIT	.021	.076	-.001	.001	.138	.203	.038	-.015	.079	.052

ALL ENTRIES ON THIS PAGE ARE ABOVE THE DIAGONAL
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TABLE XXXI
TWO AND THREE STEP PARTIAL CORRELATION COEFFICIENTS
WEIGHT-STATURE PARTIALED OUT ABOVE DIAGONAL**WEIGHT-STATURE-AGE BELOW IT

		64	65	66	67	68	69	70	72	74	75
52	BUTTOCK CIRC, SIT	-.091	-.070	-.086	.010	.534	.581	-.117	-.043	-.097	.069
53	SCYE CIRCUMFERENCE	.219	.150	.059	.144	-.133	-.147	.119	-.002	.145	.122
54	AXILLARY ARM CIRC	.344	.100	.065	.089	-.081	-.085	.036	-.056	.152	.076
55	BICEPS CIR,RELAX,R	.160	.025	-.024	-.023	-.019	.011	.105	-.003	.041	-.032
56	BICEPS CIR, FLEX,R	.164	.026	-.013	-.045	-.066	-.045	.147	.015	.032	-.044
59	ELBOW CIRC, FLEXED	.083	.025	.030	.023	-.101	-.159	.219	.074	-.025	-.006
60	FOREARM CIR, RELAX	.140	.038	-.025	.011	-.155	-.218	.388	.108	-.095	-.098
61	FOREARM CIR,FLEXED	.124	.022	-.035	-.005	-.136	-.194	.327	.104	-.092	-.099
62	WRIST CIRCUMFERENCE	.073	.033	.011	.023	-.168	-.277	.395	.197	-.015	-.038
63	BIACROMIAL BREADTH	.495	.236	-.033	.080	-.008	-.057	.081	-.021	-.129	-.068
64	BIDELTOID BREADTH		.398	.055	.178	-.013	-.087	.027	-.091	.028	.048
65	CHEST BREADTH	.394		.126	.153	-.081	-.062	.040	.067	.108	.059
66	BUSTPT-BUSTPT BRTH	.053	.124		.048	-.165	-.134	.029	-.020	.414	.092
67	WAIST BREADTH	.182	.159	.050		-.055	-.109	-.031	-.085	.102	.288
68	HIP BREADTH	-.015	-.084	-.166	-.054		.708	-.037	.027	-.186	-.172
69	THIGH-THIGH BR,SIT	-.097	-.077	-.139	-.103	.712		-.123	-.017	-.157	-.155
70	HUMERAL BREADTH, R	.024	.036	.028	-.028	-.039	-.131		.284	-.008	-.119
72	FEMORAL BREADTH, R	-.092	.065	-.021	-.084	.026	-.020	.283		-.078	-.087
74	CHEST DEPTH	.017	.093	.416	.114	-.193	-.187	-.017	-.082		.253
75	WAIST DEPTH	.037	.044	.089	.302	-.179	-.184	-.129	-.091	.230	
76	ABDOMINAL EXT DPTH	-.034	.015	.030	.169	-.078	-.020	-.187	-.089	.185	.610
77	BUTTOCK DEPTH	-.011	-.145	-.092	-.017	.107	.190	-.139	-.173	.001	.128
78	THIGH CLEARANCE	-.059	-.007	-.096	-.149	.012	-.093	.052	.174	-.076	-.106
79	SHOULDER LENGTH	.225	.064	-.037	-.007	.040	-.009	.034	-.012	-.094	-.085
80	NECK-BUST POINT L	.054	.034	.228	.082	-.027	-.051	-.032	-.005	.339	.104
81	STRAP LENGTH	.120	.103	.242	.111	-.065	-.091	-.012	-.034	.314	.104
82	INTERSCYE	.369	.346	-.001	.158	-.110	-.132	.037	-.008	.076	.046
83	INTERSCYE, MAXIMUM	.263	.235	-.025	.106	-.014	-.053	.037	.057	.008	-.001
84	BACK CURVATURE	.195	.318	-.025	.215	-.066	-.093	-.027	-.032	.148	.105
85	WAIST BACK	-.050	-.026	-.031	.086	.020	.033	.064	.026	.002	-.039
86	ANTERIOR WAIST LTH	.032	.081	.108	.067	-.079	-.073	.031	.026	.104	.038
87	SLEEVE INSEAM	.027	-.071	-.001	.017	-.020	-.082	-.031	-.056	.025	-.008
88	SPINE-TO-SCYE LGTH	.220	.235	-.015	.088	-.078	-.096	.097	.118	-.016	-.015
89	SPINE-TO-ELBOW LTH	.246	.148	.021	.042	-.019	-.065	.039	.006	.003	-.066
90	SPINE-TO-WRIST LTH	.215	.133	.017	.060	-.056	-.120	.065	-.006	.014	-.057
91	HAND LENGTH	-.008	.000	.036	.021	-.129	-.206	.227	.104	.003	-.007
92	HAND BREADTH	.014	.015	.008	.005	-.153	-.191	.317	.106	-.046	-.090
93	HAND CIRCUMFERENCE	.051	.016	.032	.029	-.201	-.266	.361	.156	-.055	-.063
94	FOOT LENGTH	-.035	-.046	-.014	.025	-.089	-.168	.166	.068	-.027	-.024
95	FOOT BREADTH	.002	-.023	-.030	-.005	-.062	-.102	.156	.002	-.128	-.070
96	HEAD LENGTH	-.025	.051	.065	-.077	-.065	-.052	.045	.025	-.028	-.102
97	HEAD BREADTH	-.011	.008	.001	.072	-.065	-.044	.008	.044	-.004	-.012
98	HEAD CIRCUMFERENCE	-.003	.016	.008	-.007	-.062	-.063	.011	-.010	-.066	-.058
104	MENTON-TOP HEAD	.024	.037	.018	-.056	-.079	-.063	.018	-.038	-.120	-.079
107	PRONASALE TO WALL	.019	-.003	.055	-.041	-.074	-.086	.022	-.073	.012	-.083
111	SAGITTAL CURVATURE	.149	.094	.096	.110	-.004	-.019	.068	-.011	.139	.068
112	BITRAGION-CORONAL	-.084	-.021	-.088	-.117	-.067	-.061	-.052	-.064	-.152	-.132
115	BITRAGION BREADTH	-.257	-.119	-.210	-.195	-.253	-.323	-.129	-.076	-.274	-.305
121	MENTON-SELLION LTH	-.094	-.039	-.033	-.110	-.142	-.141	-.030	-.021	-.087	-.108
125	GRIP STRENGTH	-.334	-.278	-.178	-.314	-.337	-.425	-.136	-.131	-.326	-.364

TABLE XXXI
TWO AND THREE STEP PARTIAL CORRELATION COEFFICIENTS
WEIGHT-STATURE PARTIALED OUT ABOVE DIAGONAL**WEIGHT-STATURE-AGE BELOW IT

		76	77	78	79	80	81	82	83	84	85
1	AGE	.169	-.065	-.241	-.013	.226	.242	.080	.066	.028	-.019
2	WEIGHT										
3	TRICEPS SKINFOLD	.069	.130	.021	-.073	.014	.020	-.079	-.026	-.056	-.021
4	SUBSCAPULAR SKINFOLD	.246	.108	-.100	-.046	.109	.120	.036	.058	.089	-.045
5	SUPRAILIAK SKINFOLD	.162	.029	.030	-.075	.119	.04	.001	.041	-.037	-.018
6	MEDIAL CALF SKINFOLD	.033	.108	.095	-.092	-.076	-.103	-.139	-.114	-.038	.012
7	STATURE										
8	STATURE, MAXIMUM	-.026	-.009	.099	.016	.017	-.029	.025	.021	.029	.083
9	CERVICAL HEIGHT	.022	-.016	.083	.071	.000	-.087	-.030	.044	-.034	.218
10	ACROMIAL HEIGHT	.044	.024	.007	-.306	-.091	-.153	-.007	-.013	.072	-.018
11	SUPRASTERNAL HEIGHT	-.035	-.000	.068	-.030	-.113	-.104	-.057	-.088	-.067	-.109
12	BUST POINT HEIGHT	-.008	.013	.092	-.070	-.628	-.645	-.071	-.097	-.036	-.106
13	WAIST HEIGHT	.045	.072	.151	.001	-.071	-.136	-.040	-.014	-.065	-.424
14	ABDOMINAL EXTENSION HT	-.101	.015	.187	.005	-.131	-.177	-.049	-.045	-.031	-.303
15	TROCHANTERIC HEIGHT	.099	.090	.155	.026	-.150	-.176	-.056	-.143	.010	-.298
16	BUTTOCK HEIGHT	.154	.099	.175	-.071	-.079	-.107	-.009	-.024	.034	-.340
17	GLUTEAL FURROW HEIGHT	.092	.005	.150	-.001	-.104	-.144	-.007	-.022	.003	-.297
18	TIBIAL HEIGHT	-.018	.025	.159	.034	-.009	-.073	.014	.127	-.091	-.237
19	CROTCH HEIGHT	.051	.020	.220	.021	-.130	-.189	-.027	-.028	-.030	-.292
20	ANKLE HEIGHT	.039	.013	-.034	.017	.068	.020	.084	.178	-.089	-.025
21	LAT'L MALLEOLUS HT	-.020	-.064	.053	-.096	-.023	.009	-.012	-.030	.003	-.020
22	SITTING HT, RELAXED	-.129	-.066	-.180	.013	.118	.149	-.007	.038	-.012	.313
23	SITTING HEIGHT	-.126	-.048	-.150	.013	.098	.136	.020	.020	.010	.392
24	EYE HEIGHT, SITTING	-.091	-.064	-.045	.023	.127	.147	.027	.057	.015	.319
25	MIDSHOULDER HT, SIT	-.043	.010	-.161	-.071	.079	.066	.050	.029	.051	.407
26	WAIST HEIGHT, SITTING	.005	.033	-.043	-.026	.077	.079	.000	.062	-.016	-.188
27	ELBOW REST HEIGHT	-.042	.011	-.063	-.194	.057	.048	-.025	.016	.023	.314
28	POPLITEAL HEIGHT	-.014	-.020	.165	-.011	-.090	-.125	-.028	.011	-.002	-.208
29	BUTTOCK-POPLIT'L L	.141	.216	.099	-.056	-.110	-.132	-.048	-.050	-.046	-.237
30	BUTTOCK-KNEE LENGTH	.142	.306	.178	-.023	-.144	-.196	-.096	-.088	-.068	-.275
31	ACROMION-RADIAL L	.057	-.071	.047	-.035	-.004	-.035	-.018	-.039	.113	-.170
32	RADIAL-STYLION L	.004	-.005	.081	.053	-.063	-.079	-.030	.018	-.058	-.139
33	THUMB-TIP REACH	.055	.013	-.071	.052	-.026	-.046	.075	.009	.023	-.063
34	THUMB-TIP, EXTENDED	.007	.048	.025	.108	-.041	-.060	-.022	.023	-.022	-.063
35	OVERHEAD REACH	-.028	.006	.034	.098	-.060	-.083	-.014	-.044	-.025	-.071
36	NECK CIRCUMFERENCE	-.032	-.046	-.054	-.034	-.001	.117	.086	.106	.058	.046
37	SHOULDER CIRCUMFERENCE	-.031	-.106	-.055	.245	.069	.154	.449	.271	.305	-.026
38	CHEST CIRC AT SCYE	.063	-.105	-.146	.090	.175	.229	.361	.276	.286	-.078
39	BUST CIRCUMFERENCE	.161	-.090	-.174	-.037	.377	.398	.263	.149	.268	-.052
40	CHEST C BELOW BUST	.136	-.119	-.137	-.017	.049	.076	.219	.159	.335	.010
41	WAIST CIRCUMFERENCE	.383	.002	-.178	-.035	.129	.175	.150	.094	.179	.072
42	ABDOMINAL EXT CIRC	.443	.063	-.163	-.050	.130	.127	.067	.083	.096	-.080
43	HIP C-7" BLW WAIST	.148	.299	-.021	-.067	-.039	-.036	-.029	-.015	-.001	-.024
44	HIP C-9" BLW WAIST	-.060	.271	.038	.016	-.040	-.076	-.107	-.025	-.099	-.024
45	UPPER THIGH CIRCUM	-.108	.259	.236	-.019	-.113	-.158	-.164	-.077	-.154	-.069
46	KNEE CIRCUMFERENCE	-.174	.051	.156	-.022	-.146	-.173	-.161	-.097	-.159	.035
47	CALF CIRCUM, RIGHT	-.298	-.027	.154	.063	-.189	-.200	-.139	-.118	-.106	.103
49	ANKLE CIRCUMFERENCE	-.273	-.065	.079	.067	-.120	-.146	-.085	-.038	-.091	.129
50	VERTICAL TRUNK CIRC	.041	.147	-.152	-.080	.090	.095	-.037	-.055	-.015	.250
51	VERT TRUNK CIRC, SIT	.025	.092	-.186	-.078	.102	.106	.017	.010	.064	.300

ALL ENTRIES ON THIS PAGE ARE ABOVE THE DIAGONAL

TABLE XXXI
TWO AND THREE STEP PARTIAL CORRELATION COEFFICIENTS
WEIGHT-STATURE PARTIALED OUT ABOVE DIAGONAL**WEIGHT-STATURE-AGE BELOW IT

		76	77	78	79	80	81	82	83	84	85
52	BUTTOCK CIRC, SIT	.162	.265	-.069	-.051	.024	-.006	-.069	-.008	-.068	-.064
53	SCYE CIRCUMFERENCE	.052	-.032	-.058	-.103	.089	.122	.047	.123	.104	-.032
54	AXILLARY ARM CIRC	.043	-.004	-.043	.007	.078	.119	.047	.087	.035	-.040
55	BICEPS CIR, RELAX, R	-.014	-.038	-.022	-.046	-.002	.033	-.024	-.005	-.034	.011
56	BICEPS CIR, FLEX, R	-.054	-.050	.016	-.064	.003	.044	-.025	.022	-.019	.019
59	ELBOW CIRC, FLEXED	-.101	-.037	.030	.019	-.047	-.020	.014	-.002	-.027	.027
60	FOREARM CIR, RELAX	-.185	-.101	.019	.026	-.099	-.048	.018	.037	.002	.085
61	FOREARM CIR, FLEXED	-.193	-.094	.023	.036	-.077	-.025	.027	.042	-.016	.082
62	WRIST CIRCUMFERNCE	-.151	-.120	.033	.060	.003	.024	.020	.061	.033	.112
63	BIACROMIAL BREADTH	-.116	-.122	-.077	.545	-.005	.058	.262	.187	.075	.025
64	BIDELTOID BREADTH	-.022	-.015	-.073	.224	.067	.131	.372	.266	.197	-.051
65	CHEST BREADTH	.031	-.150	-.030	.062	.055	.123	.351	.240	.319	-.028
66	BUSTPT-BUSTPT BRTH	.033	-.094	-.099	-.038	.227	.240	.001	-.023	-.024	-.032
67	WAIST BREADTH	.157	-.013	-.132	-.006	.068	.095	.153	.103	.214	.087
68	HIP BREADTH	-.073	.105	.005	.040	-.020	-.057	-.108	-.012	-.066	.019
69	THIGH-THIGH BR, SIT	.004	.179	-.124	-.011	-.017	-.053	-.119	-.043	-.088	.030
70	HUMERAL BREADTH, R	-.177	-.142	.039	.033	-.020	-.000	.041	.040	-.026	.063
72	FEMORAL BREADTH, R	-.085	-.174	.164	-.012	-.001	-.029	-.007	.058	-.031	.026
74	CHEST DEPTH	.209	-.010	-.115	-.095	.365	.343	.089	.019	.151	-.001
75	WAIST DEPTH	.621	.115	-.143	-.086	.139	.141	.059	.010	.109	-.042
76	ABDOMINAL EXT DPTH		.248	-.060	-.105	.069	.045	.045	-.011	.078	-.120
77	BUTTOCK DEPTH	.264		.080	-.078	-.057	-.055	-.048	-.099	-.043	-.065
78	THIGH CLEARANCE	-.021	.066		-.015	-.110	-.153	-.066	-.022	-.081	-.080
79	SHOULDER LENGTH	-.104	-.079	-.018		.190	.079	.147	.161	-.088	.065
80	NECK-BUST POINT L	.033	-.043	-.059	.198		.848	.080	.150	-.011	.020
81	STRAP LENGTH	.004	-.041	-.100	.084	.839		.160	.149	.065	.011
82	INTERSCYE	.032	-.043	-.048	.149	.064	.145		.393	.322	.077
83	INTERSCYE, MAXIMUM	-.023	-.095	-.006	.162	.139	.137	.390		.137	.004
84	BACK CURVATURE	.075	-.041	-.076	-.088	-.018	.060	.321	.136		.064
85	WAIST BACK	-.118	-.067	-.087	.064	.025	.016	.079	.005	.065	
86	ANTERIOR WAIST LTH	-.013	-.078	-.088	-.026	.096	.156	.005	-.021	.031	.272
87	SLEEVE INSEAM	.017	.034	.014	.191	-.063	-.115	.023	.041	-.067	-.116
88	SPINE-TO-SCYE LGTH	-.037	-.144	.028	.122	.078	.096	.438	.351	.171	.023
89	SPINE-TO-ELBOW LTH	-.083	-.112	-.043	.294	.005	.013	.224	.186	.161	-.065
90	SPINE-TO-WRIST LTH	-.087	-.076	-.003	.258	-.042	-.038	.181	.163	.121	-.117
91	HAND LENGTH	-.068	-.115	.092	.119	.001	-.038	-.047	-.057	-.000	-.025
92	HAND BREADTH	-.151	-.147	.037	.051	-.012	-.011	-.006	.036	.031	.040
93	HAND CIRCUMFERENCE	-.169	-.158	.065	.039	-.016	-.000	-.029	.018	-.036	.074
94	FOOT LENGTH	-.062	-.065	.031	.118	-.021	-.052	-.027	-.010	-.018	-.015
95	FOOT BREADTH	-.083	-.055	-.008	.063	-.115	-.101	-.051	-.088	-.053	.003
96	HEAD LENGTH	-.104	-.044	.031	.048	-.063	-.049	-.006	-.054	-.023	-.040
97	HEAD BREADTH	-.015	-.110	-.008	-.011	.018	.020	.005	.012	.036	-.044
98	HEAD CIRCUMFERENCE	-.078	-.002	.035	.081	-.048	-.025	.005	-.063	-.036	-.027
104	MENTON-TOP HEAD	-.103	-.000	-.039	.047	-.096	-.041	.024	-.099	-.066	-.042
107	PRONASALE TO WALL	-.075	.013	.004	.100	-.064	-.075	-.005	-.059	-.060	.000
111	SAGITTAL CURVATURE	.082	.129	.052	.080	-.017	-.020	.069	.035	.030	.005
112	BITRAGON-CORONAL	-.156	-.097	-.108	.036	-.067	-.073	-.010	-.046	-.100	.024
115	BITRAGON BREADTH	-.413	-.383	-.232	.037	-.179	-.197	-.137	-.091	-.150	.017
121	MENTON-SELLION LTH	-.125	-.100	-.034	.002	-.084	-.080	-.075	-.118	-.100	-.004
125	GRIP STRENGTH	-.460	-.381	-.205	-.005	-.216	-.239	-.149	-.164	-.243	-.005

TABLE XXXI
TWO AND THREE STEP PARTIAL CORRELATION COEFFICIENTS
WEIGHT-STATURE PARTIALED OUT ABOVE DIAGONAL**WEIGHT-STATURE-AGE BELOW IT

	86	87	88	89	90	91	92	93	94	95
1 AGE	-.042	-.136	.066	.056	-.007	.044	.072	.044	-.025	-.076
2 WEIGHT										
3 TRICEPS SKINFOLD	.026	-.076	-.092	-.066	-.107	-.146	-.207	-.166	-.208	-.191
4 SUBSCAPULAR SKINFOLD	.039	-.030	-.048	-.054	-.066	-.122	-.188	-.177	-.146	-.180
5 SUPRAILLIAC SKINFOLD	.082	-.062	-.011	-.077	-.103	-.091	-.163	-.135	-.133	-.171
6 MEDIAL CALF SKINFOLD	.034	-.040	-.130	-.121	-.149	-.151	-.136	-.139	-.161	-.092
7 STATURE										
8 STATURE, MAXIMUM	.004	.056	.028	.052	.087	.088	.037	.035	.122	-.011
9 CERVICAL HEIGHT	-.090	.266	-.020	.059	.173	.086	-.007	-.007	.114	-.037
10 ACROMIAL HEIGHT	-.064	.142	-.004	-.006	.116	.055	-.003	.005	.063	-.013
11 SUPRASTERNAL HEIGHT	.147	.208	-.068	.031	.154	.113	-.011	.025	.102	.006
12 BUST POINT HEIGHT	.002	.239	-.082	.028	.157	.053	-.021	-.004	.046	.065
13 WAIST HEIGHT	-.589	.323	-.034	.130	.258	.162	-.027	-.046	.161	.036
14 ABDOMINAL EXTENSION HT	-.332	.353	-.029	.148	.289	.197	.015	.001	.162	.036
15 TROCHANTERIC HEIGHT	-.276	.384	-.110	.135	.290	.207	.007	-.030	.182	.083
16 BUTTOCK HEIGHT	-.239	.346	-.027	.088	.247	.145	-.025	-.021	.128	-.012
17 GLUTEAL FURROW HGT	-.242	.392	-.029	.139	.286	.126	-.030	-.041	.118	.023
18 TIBIAL HEIGHT	-.188	.407	.042	.119	.290	.054	.033	.038	.160	.027
19 CROTCH HEIGHT	-.261	.466	-.044	.161	.347	.182	.026	-.002	.220	.032
20 ANKLE HEIGHT	-.016	.247	.039	.040	.127	-.160	.051	.049	.090	.079
21 LAT'L MALLEOLUS HT	.002	-.115	.030	-.059	-.096	.072	.052	.079	-.040	-.003
22 SITTING HT, RELAXED	.284	-.403	.039	-.130	-.300	-.144	-.007	-.003	-.145	-.061
23 SITTING HEIGHT	.292	-.411	.028	-.148	-.318	-.151	-.002	.007	-.133	-.055
24 EYE HEIGHT, SITTING	.266	-.402	.052	-.127	-.292	-.121	-.007	-.011	-.150	-.098
25 MIDSHOULDER HT, SIT	.228	-.328	.043	-.167	-.271	-.148	-.015	.005	-.132	-.052
26 WAIST HT, SITTING	-.156	-.183	.007	-.049	-.123	-.087	-.053	-.070	-.068	-.067
27 ELBOW REST HEIGHT	.257	-.506	.031	-.354	-.461	-.147	-.033	-.013	-.166	-.088
28 POPLITEAL HEIGHT	-.146	.251	.029	.107	.237	.222	.112	.091	.191	.044
29 BUTTOCK-POPLIT'L L	-.188	.265	-.078	.058	.159	.062	-.078	-.106	.058	-.010
30 BUTTOCK-KNEE LENGTH	-.233	.359	-.118	.090	.212	.063	-.068	-.082	.100	.014
31 ACROMION-RADIAL L	-.156	.468	-.052	.432	.482	.242	.062	.036	.136	.005
32 RADIAL-STYLION L	-.152	.613	-.047	.174	.479	.101	.073	.072	.237	.105
33 THUMB-TIP REACH	-.111	.440	.058	.255	.379	.211	.122	.111	.239	.105
34 THUMB-TIP, EXTENDED	-.095	.390	-.032	.194	.317	.127	.067	.030	.166	.100
35 OVERHEAD REACH	-.072	.414	-.077	.221	.345	.124	.045	.031	.177	.126
36 NECK CIRCUMFERENCE	.002	.067	.011	.026	.091	-.062	.166	.089	.039	.047
37 SHOULDER CIRCUMFER	.083	.014	.281	.314	.264	.072	.065	.058	-.048	-.037
38 CHEST CIRC AT SCYE	.080	-.066	.262	.185	.141	-.020	.043	.087	-.062	-.059
39 BUST CIRCUMFERENCE	.166	-.069	.167	.083	.050	-.048	-.019	-.010	-.079	-.144
40 CHEST C BELOW BUST	.124	-.057	.145	.096	.078	-.012	.024	.013	-.051	-.075
41 WAIST CIRCUMFERENCE	.126	.020	.039	-.005	.014	-.026	-.077	-.037	-.018	-.066
42 ABDOMINAL EXT CIRC	-.012	-.104	.005	-.043	-.095	-.137	-.116	-.171	-.176	-.152
43 HIP C-7" BLW WAIST	-.058	-.047	-.067	-.086	-.090	-.131	-.166	-.192	-.119	-.079
44 HIP C-9" BLW WAIST	-.107	-.044	-.101	-.069	-.099	-.166	-.178	-.211	-.114	-.069
45 UPPER THIGH CIRCUM	-.093	-.034	-.103	-.110	-.123	-.149	-.162	-.177	-.158	-.084
46 KNEE CIRCUMFERENCE	-.044	-.005	-.079	-.107	-.100	-.053	-.012	.030	.037	.084
47 CALF CIRCUM, RIGHT	-.027	.008	-.090	-.027	-.055	.006	.053	.061	.076	.178
49 ANKLE CIRCUMFERENCE	.021	-.005	-.035	-.048	-.049	.043	.166	.216	.193	.237
50 VERTICAL TRUNK CIR	.281	-.312	-.050	-.198	-.274	-.177	-.076	-.004	-.152	-.053
51 VERT TRUNK CIR, SIT	.220	-.315	.000	-.157	-.250	-.159	-.065	-.009	-.130	-.062

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TWO AND THREE STEP PARTIAL CORRELATION COEFFICIENTS
WEIGHT-STATURE PARTIALED OUT ABOVE DIAGONAL**WEIGHT-STATURE-AGE BELOW IT

		86	87	88	89	90	91	92	93	94	95
52	BUTTOCK CIRC, SIT	-.104	-.048	-.056	-.063	-.085	-.144	-.159	-.213	-.090	-.078
53	SCYE CIRCUMFERENCE	.041	-.080	.063	.066	.083	.042	.116	.215	-.002	.002
54	AXILLARY ARM CIRC	.100	-.130	.046	.000	-.033	-.132	-.031	.077	-.181	-.116
55	BICEPS CIR, RELAX, R	.063	-.189	-.001	-.086	-.115	-.092	-.001	.079	-.170	-.101
56	BICEPS CIR, FLEX, R	.067	-.156	.002	-.067	-.081	-.015	.067	.145	-.132	-.065
59	ELBOW CIRC, FLEXED	.020	.048	.018	-.001	.074	.142	.138	.261	.104	.110
60	FOREARM CIR, RELAX	.029	-.019	.059	.049	.084	.143	.245	.372	.096	.135
61	FOREARM CIR, FLEXED	.050	-.025	.054	.020	.054	.139	.215	.373	.075	.124
62	WRIST CIRCUMFERENCE	.062	.033	.067	.076	.118	.297	.419	.572	.258	.273
63	BIACROMIAL BREADTH	-.025	.163	.208	.359	.342	.102	.100	.125	.103	.120
64	BIDELTOID BREADTH	.029	.018	.224	.249	.214	-.006	.018	.053	-.036	-.003
65	CHEST BREADTH	.076	-.083	.240	.153	.131	.005	.022	.020	-.048	-.030
66	BUSTPT-BUSTPT BRTH	.107	-.004	-.013	.022	.017	.037	.009	.033	-.014	-.032
67	WAIST BREADTH	.069	.024	.084	.039	.060	.018	.001	.027	.026	-.001
68	HIP BREADTH	-.080	-.023	-.076	-.017	-.057	-.128	-.150	-.200	-.089	-.064
69	THIGH-THIGH BR, SIT	-.078	-.100	-.085	-.057	-.119	-.198	-.178	-.257	-.170	-.111
70	HUMERAL BREADTH, R	.029	-.037	.100	.041	.065	.228	.319	.363	.165	.152
72	FEMORAL BREADTH, R	.025	-.058	.119	.007	-.006	.105	.107	.157	.067	.000
74	CHEST DEPTH	.095	-.000	-.004	.013	.012	.010	-.033	-.046	-.031	-.139
75	WAIST DEPTH	.031	-.031	-.003	-.055	-.057	.001	-.076	-.055	-.028	-.082
76	ABDOMINAL EXT DPTH	-.019	-.006	-.025	-.072	-.086	-.060	-.137	-.159	-.065	-.094
77	BUTTOCK DEPTH	-.075	.042	-.148	-.115	-.075	-.118	-.151	-.160	-.063	-.049
78	THIGH CLEARANCE	-.075	.047	.012	-.055	-.001	.079	.019	.052	.036	.010
79	SHOULDER LENGTH	-.026	.191	.121	.293	.258	.118	.050	.039	.119	.064
80	NECK-BUST POINT L	.084	-.091	.091	.018	-.042	.011	.004	-.005	-.026	-.129
81	STRAP LENGTH	.141	-.143	.109	.026	-.039	-.026	.006	.010	-.056	-.116
82	INTERSCYE	.002	.012	.441	.227	.180	-.043	.000	-.026	-.029	-.057
83	INTERSCYE, MAXIMUM	-.024	.032	.354	.189	.162	-.054	.040	.021	-.011	-.092
84	BACK CURVATURE	.030	-.070	.172	.163	.120	.001	.032	-.035	-.019	-.055
85	WAIST BACK	.273	-.112	.022	-.066	-.117	-.026	.039	.073	-.014	.004
86	ANTERIOR WAIST LTH		-.184	-.001	-.108	-.154	-.095	-.016	.035	-.125	-.084
87	SLEEVE INSEAM	-.191		-.054	.414	.633	.101	.022	-.013	.205	.107
88	SPINE-TO-SCYE LGTH	.002	-.046		.459	.362	.014	.070	.086	-.007	-.056
89	SPINE-TO-ELBOW LTH	-.106	.427	.457		.865	.120	.094	.058	.104	.036
90	SPINE-TO-WRIST LTH	-.154	.638	.364	.867		.178	.140	.112	.208	.106
91	HAND LENGTH	-.093	.108	.011	.118	.178		.339	.343	.510	.206
92	HAND BREADTH	-.013	.032	.066	.090	.141	.337		.663	.285	.312
93	HAND CIRCUMFERENCE	.037	-.007	.083	.055	.112	.342	.662		.263	.346
94	FOOT LENGTH	-.127	.203	-.006	.105	.208	.512	.288	.265		.361
95	FOOT BREADTH	-.087	.098	-.051	.040	.106	.211	.319	.351	.360	
96	HEAD LENGTH	-.073	-.011	.034	.034	.046	.149	.092	.075	.129	.063
97	HEAD BREADTH	-.060	-.033	.060	.041	.027	.036	.126	.050	.077	.031
98	HEAD CIRCUMFERENCE	-.078	.071	.009	.056	.100	.132	.116	.075	.197	.117
104	MENTON-TOP HEAD	-.023	.028	-.014	.025	.058	.115	.082	.057	.159	.159
107	PRONASALE TO WALL	-.066	.137	-.030	.050	.113	.131	.040	.045	.167	.129
111	SAGITTAL CURVATURE	-.044	.130	.013	.078	.146	.110	.039	.086	.140	.106
112	BITRAGION-CORONAL	-.073	.045	-.035	-.004	.014	-.058	.082	-.018	.028	.059
115	BITRAGION BREADTH	-.070	.059	-.058	-.014	-.014	-.056	-.183	-.072	.005	.044
121	MENTON-SELLION LTH	-.054	.014	-.047	-.014	.019	.094	-.008	.024	.115	.105
125	GRIP STRENGTH	-.117	.119	-.115	-.049	.014	.013	-.088	-.085	.025	.024

TABLE XXXI
TWO AND THREE STEP PARTIAL CORRELATION COEFFICIENTS
WEIGHT-STATURE PARTIALED OUT ABOVE DIAGONAL**WEIGHT-STATURE-AGE BELOW IT

		96	97	98	104	107	111	112	115	121	125
1	AGE	.072	.133	.018	.028	.087	.095	.044	.034	-.018	.053
2	WEIGHT										
3	TRICEPS SKINFOLD	-.100	-.033	-.139	-.081	-.105	-.022	-.149	-.199	-.128	-.293
4	SUBSCAPULAR SKINFOLD	-.123	-.053	-.120	-.081	-.073	.076	-.127	-.204	-.126	-.305
5	SUPRAILIAIC SKINFOLD	-.109	-.044	-.148	-.124	-.101	.024	-.229	-.275	-.144	-.316
6	MEDIAL CALF SKINFOLD	-.043	-.022	-.066	-.039	-.064	-.022	-.046	-.153	-.103	-.204
7	STATURE										
8	STATURE, MAXIMUM	.057	.007	.072	-.016	.030	.022	.025	.006	.031	.041
9	CERVICALE HEIGHT	-.080	-.088	-.110	-.191	.050	.131	-.161	-.099	-.062	-.045
10	ACROMIAL HEIGHT	-.059	-.034	-.077	-.132	.029	.122	-.130	-.069	-.030	-.057
11	SUPRASTERNALE HGHT	-.045	-.118	-.066	-.088	.039	.102	-.162	-.091	-.019	-.035
12	BUSTPOINT HEIGHT	-.012	-.084	-.031	-.058	.055	.090	-.072	.025	.012	.058
13	WAIST HEIGHT	.011	-.012	.001	-.073	.071	.114	-.103	-.021	-.007	.021
14	ABDOMINAL EXTEN HT	.016	-.042	-.003	-.035	.073	.101	-.108	-.013	.022	.069
15	TROCHANTERIC H'GHT	.029	-.044	.072	.017	.106	.139	-.080	-.012	.050	.057
16	BUTTOCK HEIGHT	-.005	-.028	-.019	-.092	.019	.079	-.150	-.075	.012	.012
17	GLUTEAL FURROW HGT	-.014	-.005	.002	-.082	.072	.122	-.079	-.010	-.017	.022
18	TIBIALE HEIGHT	-.034	-.004	-.009	-.050	.072	.109	-.032	-.001	-.053	.049
19	CROTCH HEIGHT	.027	-.040	.043	-.027	.077	.118	-.073	-.040	.035	.043
20	ANKLE HEIGHT	-.072	-.042	-.005	-.005	.076	.078	.119	.011	-.053	.072
21	LAT'L MALLEOLUS HT	.015	.028	-.037	-.014	-.041	-.054	-.049	-.059	-.052	-.014
22	SITTING HT, RELAXED	.022	.020	.006	.050	-.047	-.091	.121	.044	-.009	-.050
23	SITTING HEIGHT	.017	.018	.023	.048	-.032	-.078	.136	.036	-.005	-.070
24	EYE HEIGHT, SITTING	-.026	-.021	-.078	-.112	-.042	-.050	-.004	-.020	-.013	-.080
25	MIDSHOULDER HT, SIT	-.065	-.005	-.053	-.068	-.019	.002	.041	-.002	-.037	-.099
26	WAIST HGHT, SITTING	-.025	-.002	-.066	-.068	-.042	-.023	-.006	-.030	-.063	-.113
27	ELBOW REST HEIGHT	-.038	-.006	-.071	-.079	-.099	-.086	.006	-.035	-.027	-.099
28	POPLITEAL HEIGHT	.038	-.011	.001	-.041	.027	.065	-.135	-.085	.014	.024
29	BUTTOCK-POPLIT'L L	.000	-.064	.013	-.017	.056	.122	-.088	-.119	-.000	-.051
30	BUTTOCK-KNEE LNGTH	-.004	-.098	.000	-.034	.069	.149	-.154	-.220	-.006	-.116
31	ACROMION-RADIALE L	.042	-.009	.025	-.027	.028	.063	-.090	-.047	.005	.008
32	RADIALE-STYLION L	.005	-.006	.101	.065	.127	.123	.047	-.019	.044	.085
33	THUMB-TIP REACH	-.004	.031	.046	.071	.093	.108	-.052	-.042	.006	.013
34	THUMB-TIP, EXTENDED	.043	-.037	.108	.027	.111	.109	.053	-.013	.033	.009
35	OVERHEAD REACH	.002	-.021	.078	.040	.120	.125	-.008	-.013	.033	.059
36	NECK CIRCUMFERENCE	.001	.141	.135	.100	.080	.095	.175	-.217	-.051	-.209
37	SHOULDER CIRCUMFER	.036	.014	.025	.024	.023	.174	-.090	-.265	-.107	-.380
38	CHEST CIRC AT SCYE	-.012	.008	-.037	-.022	.034	.189	-.060	-.274	-.137	-.341
39	BUST CIRCUMFERENCE	-.004	.036	-.042	-.062	.021	.169	-.117	-.322	-.136	-.378
40	CHEST C BELOW BUST	-.012	.053	-.044	-.039	-.019	.126	-.116	-.222	-.150	-.359
41	WAIST CIRCUMFERNCE	-.133	.048	-.051	-.085	-.055	.156	-.191	-.291	-.136	-.427
42	ABDOMINAL EXT CIRC	-.146	.052	-.133	-.168	-.135	.039	-.182	-.307	-.206	-.448
43	HIP C-7" BLW WAIST	-.112	-.030	-.110	-.113	-.062	.126	-.226	-.469	-.206	-.579
44	HIP C-9" BLW WAIST	-.074	-.050	-.070	-.076	-.063	.078	-.143	-.421	-.202	-.562
45	UPPER THIGH CIRCUM	-.057	-.043	-.084	-.084	-.074	.077	-.187	-.412	-.174	-.534
46	KNEE CIRCUMFERENCE	-.052	-.000	-.001	.026	-.021	.049	-.107	-.253	-.090	-.337
47	CALF CIRCUM, RIGHT	.006	-.025	.007	.047	-.002	.024	-.085	-.237	-.072	-.313
49	ANKLE CIRCUMFERNCE	.015	-.000	.035	.065	.041	.027	-.013	-.101	-.023	-.157
50	VERTICAL TRUNK CIR	-.062	-.043	-.053	-.035	.015	.060	.010	-.187	-.092	-.256
51	VERT TRUNK CIR, SIT	-.079	-.034	-.088	-.083	-.026	.033	-.006	-.150	-.104	-.214

ALL ENTRIES ON THIS PAGE ARE ABOVE THE DIAGONAL

TABLE XXXI
TWO AND THREE STEP PARTIAL CORRELATION COEFFICIENTS
WEIGHT-STATURE PARTIALED OUT ABOVE DIAGONAL**WEIGHT-STATURE-AGE BELOW IT

		96	97	98	104	107	111	112	115	121	125
52	BUTTOCK CIRC, SIT	-.086	-.051	-.090	-.091	-.056	.115	-.174	-.460	-.196	-.587
53	SCYE CIRCUMFERENCE	-.058	-.014	-.083	-.027	-.004	.121	-.085	-.248	-.084	-.300
54	AXILLARY ARM CIRC	-.084	-.019	-.107	-.083	-.053	.117	-.131	-.391	-.188	-.470
55	BICEPS CIR, RELAX, R	-.037	-.046	-.100	-.038	-.028	.111	-.147	-.405	-.159	-.492
56	BICEPS CIR, FLEX, R	-.015	-.056	-.079	-.019	-.024	.097	-.143	-.403	-.126	-.458
59	ELBOW CIRC, FLEXED	.054	-.040	.017	.065	.071	.107	-.017	-.127	.018	-.086
60	FOREARM CIR, RELAX	.041	.001	.041	.082	.073	.164	-.066	-.255	-.041	-.345
61	FOREARM CIR, FLEXED	.045	-.003	.029	.075	.050	.146	-.066	-.241	-.043	-.311
62	WRIST CIRCUMFERENCE	.048	.005	.038	.038	.043	.105	-.077	-.092	.016	-.110
63	BIACROMIAL BREADTH	.059	.050	.106	.138	.092	.084	.058	.000	.006	-.027
64	BIDELTOID BREADTH	-.020	-.002	-.002	.026	.025	.154	-.081	-.254	-.095	-.330
65	CHEST BREADTH	.058	.020	.018	.039	.005	.102	-.016	-.115	-.041	-.271
66	BUSTPT-BUSTPT BRTH	.066	.004	.008	.019	.057	.098	-.086	-.209	-.034	-.177
67	WAIST BREADTH	-.081	.064	-.007	-.057	-.045	.105	-.119	-.196	-.109	-.316
68	HIP BREADTH	-.063	-.061	-.062	-.079	-.071	-.001	-.066	-.252	-.142	-.335
69	THIGH-THIGH BR, SIT	-.041	-.024	-.060	-.059	-.072	-.005	-.054	-.315	-.143	-.413
70	HUMERAL BREADTH, R	.049	.015	.012	.019	.026	.072	-.049	-.127	-.031	-.133
72	FEMORAL BREADTH, R	.027	.046	-.010	-.038	-.071	-.009	-.063	-.075	-.021	-.129
74	CHEST DEPTH	-.014	.019	-.062	-.113	.027	.153	-.142	-.264	-.088	-.311
75	WAIST DEPTH	-.088	.011	-.054	-.073	-.066	.083	-.122	-.295	-.109	-.349
76	ABDOMINAL EXT DPTH	-.090	.008	-.073	-.097	-.059	.096	-.147	-.402	-.126	-.443
77	BUTTOCK DEPTH	-.048	-.118	-.003	-.002	.007	.122	-.100	-.384	-.099	-.383
78	THIGH CLEARANCE	.012	-.039	.029	-.045	-.018	.027	-.116	-.233	-.028	-.211
79	SHOULDER LENGTH	.047	-.012	.081	.047	.098	.078	.035	.036	.002	-.006
80	NECK-BUST POINT L	-.045	.047	-.042	-.087	-.042	.005	-.055	-.166	-.086	-.198
81	STRAP LENGTH	-.030	.051	-.020	-.033	-.052	.004	-.060	-.182	-.082	-.219
82	INTERSCYE	-.001	.016	.006	.026	.002	.076	-.007	-.134	-.076	-.144
83	INTERSCYE, MAXIMUM	-.049	.021	-.062	-.096	-.053	.041	-.043	-.089	-.119	-.160
84	BACK CURVATURE	-.020	.040	-.036	-.065	-.057	.033	-.098	-.148	-.100	-.241
85	WAIST BACK	-.041	-.046	-.027	-.042	-.002	.003	.023	.017	-.003	-.006
86	ANTERIOR WAIST LTH	-.075	-.065	-.078	-.024	-.069	-.048	-.074	-.071	-.054	-.119
87	SLEEVE INSEAM	-.021	-.051	.067	.024	.123	.115	.039	.054	.017	.111
88	SPINE-TO-SCYE LGTH	.039	.069	.010	-.012	-.024	.019	-.032	-.056	-.048	-.111
89	SPINE-TO-ELBOW LTH	.038	.048	.057	.027	.054	.082	-.001	-.012	-.015	-.046
90	SPINE-TO-WRIST LTH	.045	.026	.100	.058	.112	.145	.013	-.015	.019	.013
91	HAND LENGTH	.152	.042	.133	.116	.134	.113	-.056	-.054	.093	.015
92	HAND BREADTH	.096	.134	.117	.084	.046	.046	.085	-.180	-.010	-.084
93	HAND CIRCUMFERENCE	.078	.055	.076	.059	.049	.090	-.016	-.071	.023	-.083
94	FOOT LENGTH	.127	.073	.196	.159	.164	.137	.027	.005	.116	.024
95	FOOT BREADTH	.058	.021	.115	.156	.121	.098	.055	.041	.106	.020
96	HEAD LENGTH		.035	.644	.306	.522	.329	.382	-.050	.189	.015
97	HEAD BREADTH		.026	.365	.103	-.022	-.002	.163	.190	-.055	-.121
98	HEAD CIRCUMFERENCE		.644	.366	.382	.404	.252	.531	.083	.129	-.024
104	MENTON-TOP HEAD		.305	.101	.382	.205	-.075	.331	.024	.339	.074
107	PRONASALE TO WALL		.519	-.034	.404	.203	.774	.204	-.057	.113	.045
111	SAGITTAL CURVATURE		.325	-.015	.252	-.078	.772	-.075	-.014	.049	-.097
112	BITRAGION-CORONAL		.380	.158	.531	.330	.201	-.080	.188	.136	-.050
115	BITRAGION BREADTH		-.052	.187	.082	.023	-.060	-.017	.187	-.055	-.048
121	MENTON-SELLION LTH		.191	-.053	.130	.340	.115	.051	.137	-.054	.028
125	GRIP STRENGTH		.011	-.129	-.025	.072	.041	-.103	-.053	-.050	.029

SECTION XIV

REGRESSION ESTIMATES

For the user of this handbook who wishes the regression estimates of all or many of the measurements corresponding to a particular value of weight, table XXXII has been included. This table lists estimates of all the other measurements based on selected values of weight.

Similar estimates for selected values of stature are given in table XXXIII. Multiple regression estimates corresponding to selected combinations of weight and stature for some fifty-one variables appear in table XXXIV.

Values in these three tables are, without exception, in *units one-tenth as large* as those used elsewhere in this section of the report. The metric units are millimeters and hectograms (100 grams); the English ones are deci-inches and deci-pounds. By the use of these units, it has been possible to eliminate decimal points from these tables and to include more values in the same space.

Metric values appear on the left hand (even numbered) pages; English values on the right hand pages for all three tables. The blank entries in the upper-left corners and lower-right corners of the tables in table XXXIV correspond to weight-stature combinations which occur with quite small frequencies and which are outside the range of values for which our sample provides much useful information.

TABLE XXXII
REGRESSION ESTIMATES CORRESPONDING TO SELECTED
VALUES OF WEIGHT---METRIC VALUES

WEIGHT IN KILOGRAMS..	42	46	50	54	58	62	66	70	74	78	82
1 AGE	20	21	22	23	23	24	25	26	27	27	28
3 TRICEPS SKINFOLD	12	14	16	17	19	21	23	24	26	28	30
4 SUBSCAPULAR SKINFOLD	7	9	10	12	13	14	16	17	19	20	22
5 SUPRAILIAC SKINFOLD	11	13	15	18	20	22	24	26	29	31	33
6 MEDIAL CALF SKINFOLD	12	13	14	15	16	17	18	19	20	21	22
7 STATURE	1554	1571	1588	1605	1622	1639	1657	1674	1691	1708	1725
8 STATURE, MAXIMUM	1561	1578	1595	1612	1629	1646	1663	1680	1697	1714	1731
9 CERVICAL HEIGHT	1330	1346	1362	1377	1393	1409	1425	1441	1457	1473	1489
10 ACROMIAL HEIGHT	1256	1272	1288	1304	1320	1336	1352	1368	1384	1400	1417
11 SUPRASTERNAL HEIGHT	1259	1275	1290	1306	1321	1337	1353	1368	1384	1399	1415
12 BUSTPOINT HEIGHT	1133	1146	1159	1172	1184	1197	1210	1222	1235	1248	1260
13 WAIST HEIGHT	956	968	980	992	1004	1016	1028	1039	1051	1063	1075
14 ABDOMINAL EXT HEIGHT	892	902	912	922	932	943	953	963	973	983	993
15 TROCHANTERIC HEIGHT	786	796	807	817	828	838	848	859	869	880	890
16 BUTTOCK HEIGHT	782	792	802	813	823	833	844	854	864	875	885
17 GLUTEAL FURROW HEIGHT	697	705	712	720	728	735	743	751	758	766	774
18 TIBIAL HEIGHT	400	405	410	415	420	425	431	436	441	446	451
19 CROTCH HEIGHT	709	718	727	737	746	755	764	774	783	792	801
20 ANKLE HEIGHT	107	109	110	111	112	113	114	115	117	118	119
21 LAT'L MALLEOLUS HT	65	65	66	67	68	69	69	70	71	72	72
22 SITTING HT, RELAXED	812	820	828	836	843	851	859	867	875	883	890
23 SITTING HEIGHT	824	832	840	849	857	865	873	881	889	897	905
24 EYE HEIGHT, SITTING	708	716	723	730	738	745	752	760	767	774	781
25 MIDSHOULDER HT, SIT	552	559	566	574	581	588	595	602	609	616	623
26 WAIST HEIGHT, SITTING	220	223	227	230	234	238	241	245	248	252	255
27 ELBOW REST HEIGHT	219	221	223	225	227	229	231	234	236	238	240
28 POPLITEAL HEIGHT	396	400	403	407	411	414	418	422	425	429	433
29 BUTTOCK-POPLIT'L L	445	453	461	470	478	486	494	503	511	519	528
30 BUTTOCK-KNEE LENGTH	536	546	556	565	575	585	595	604	614	624	633
31 ACROMION-RADIAL L	295	299	303	307	310	314	318	322	326	329	333
32 RADIAL-STYLION L	223	226	229	231	234	237	240	242	245	248	251
33 THUMB-TIP REACH	706	715	724	733	742	751	760	769	778	787	796
34 THUMB-TIP, EXTENDED	795	806	817	828	839	850	861	872	883	894	905
35 OVERHEAD REACH	1906	1928	1950	1972	1994	2016	2038	2060	2082	2105	2127

VALUES IN YEARS, MILLIMETERS, AND 100-GRAMS

TABLE XXXII
REGRESSION ESTIMATES CORRESPONDING TO SELECTED
VALUES OF WEIGHT---ENGLISH VALUES

WEIGHT IN POUNDS.....	90	100	110	120	130	140	150	160	170	180	190
1 AGE	20	21	22	23	24	25	25	26	27	28	29
3 TRICEPS SKINFOLD	5	5	6	7	8	8	9	10	11	12	12
4 SUBSCAPULAR SKINFOLD	3	3	4	5	5	6	7	7	8	9	9
5 SUPRAILIAC SKINFOLD	4	5	6	7	8	9	10	11	12	13	14
6 MEDIAL CALF SKINFOLD	5	5	6	6	6	7	7	8	8	9	9
7 STATURE	610	618	625	633	640	648	656	663	671	678	686
8 STATURE, MAXIMUM	612	620	628	635	643	651	658	666	673	681	689
9 CERVICAL HEIGHT	522	529	536	543	550	557	564	571	578	586	593
10 ACROMIAL HEIGHT	492	500	507	514	521	528	536	543	550	557	564
11 SUPRASTERNAL HEIGHT	494	501	508	515	522	529	536	543	550	557	563
12 BUST POINT HEIGHT	445	450	456	462	467	473	479	484	490	496	501
13 WAIST HEIGHT	375	380	386	391	396	402	407	412	418	423	428
14 ABDOMINAL EXT HEIGHT	350	354	359	364	368	373	377	382	386	391	395
15 TROCHANTERIC HEIGHT	308	313	317	322	327	331	336	341	345	350	355
16 BUTTOCK HEIGHT	306	311	316	320	325	330	334	339	344	348	353
17 GLUTEAL FURROW HEIGHT	273	277	280	284	287	291	294	298	301	304	308
18 TIBIAL HEIGHT	157	159	161	164	166	168	171	173	175	177	180
19 CROTCH HEIGHT	278	282	286	290	295	299	303	307	311	315	319
20 ANKLE HEIGHT	42	43	43	44	44	45	45	46	46	47	47
21 LAT'L MALLEOLUS HT	25	26	26	26	27	27	27	28	28	28	29
22 SITTING HT, RELAXED	319	322	326	329	333	336	340	343	347	350	354
23 SITTING HEIGHT	324	327	331	334	338	342	345	349	353	356	360
24 EYE HEIGHT, SITTING	278	281	285	288	291	294	298	301	304	307	311
25 MIDSHOULDER HT, SIT	217	220	223	226	229	232	236	239	242	245	248
26 WAIST HEIGHT, SITTING	86	88	89	91	92	94	96	97	99	100	102
27 ELBOW REST HEIGHT	86	87	88	89	90	91	92	92	93	94	95
28 POPLITEAL HEIGHT	156	157	159	160	162	164	165	167	169	170	172
29 BUTTOCK-POPLIT'L L	174	178	181	185	189	193	196	200	204	207	211
30 BUTTOCK-KNEE LENGTH	210	214	219	223	227	232	236	240	245	249	253
31 ACROMION-RADIAL L	116	117	119	121	123	124	126	128	129	131	133
32 RADIAL-STYLION L	88	89	90	91	92	94	95	96	97	99	100
33 THUMB-TIP REACH	277	281	285	289	293	297	301	305	309	313	317
34 THUMB-TIP, EXTENDED	312	317	322	327	331	336	341	346	351	356	361
35 OVERHEAD REACH	748	758	767	777	787	797	807	817	827	836	846

VALUES IN YEARS, TENTHS OF INCHES, TENTHS OF POUNDS

TABLE XXXII
REGRESSION ESTIMATES CORRESPONDING TO SELECTED
VALUES OF WEIGHT---METRIC VALUES

WEIGHT IN KILOGRAMS..	42	46	50	54	58	62	66	70	74	78	82
36 NECK CIRCUMFERENCE	317	322	328	333	338	343	348	354	359	364	369
37 SHOULDER CIRCUMFER	915	938	960	983	1006	1029	1052	1075	1097	1120	1143
38 CHEST CIRC AT SCYE	759	781	802	823	844	865	887	908	929	950	972
39 BUST CIRCUMFERENCE	802	827	851	875	899	924	948	972	996	1021	1045
40 CHEST C BELOW BUST	663	684	704	724	745	765	786	806	827	847	868
41 WAIST CIRCUMFERNCE	578	602	626	650	674	698	722	746	770	794	818
42 ABDOMINAL EXT CIRC	736	767	797	828	859	890	921	951	982	1013	1044
43 HIP C-7" BLW WAIST	833	859	886	912	939	965	992	1018	1045	1071	1098
44 HIP C-9" BLW WAIST	842	870	898	927	955	983	1012	1040	1069	1097	1125
45 UPPER THIGH CIRCUM	481	500	519	537	556	575	594	613	632	651	670
46 KNEE CIRCUMFERENCE	324	334	344	354	364	374	384	393	403	413	423
47 CALF CIRCUM, RIGHT	306	315	324	333	342	351	360	359	378	387	396
48 CALF CIRCUM, LEFT	307	316	325	334	343	352	361	370	379	388	398
49 ANKLE CIRCUMFERNCE	195	199	203	207	211	215	219	223	227	231	236
50 VERTICAL TRUNK CIR	1432	1460	1489	1518	1547	1575	1604	1633	1662	1691	1719
51 VERTICAL TRK C,SIT	1400	1426	1451	1477	1503	1529	1554	1580	1606	1631	1657
52 BUTTOCK CIRC, SIT	885	915	944	973	1002	1032	1061	1090	1120	1149	1178
53 SCYE CIRCUMFERENCE	334	343	353	362	372	381	391	400	410	419	429
54 AXILLARY ARM CIRC	236	246	255	265	275	285	295	305	315	325	335
55 BICEPS C,RELAXED,R	218	228	237	247	257	267	277	286	296	306	316
56 BICEPS C,FLEXED, R	229	239	249	259	269	279	289	299	308	318	328
57 BICEPS C,RELAXED,L	216	226	237	247	257	268	278	288	299	309	320
58 BICEPS C,FLEXED, L	225	236	246	256	266	276	287	297	307	317	327
59 ELBOW CIRC, FLEXED	248	254	259	265	270	276	281	287	292	297	303
60 FOREARM C, RELAXED	212	217	223	229	235	241	247	253	259	265	271
61 FOREARM C, FLEXED	225	231	238	244	250	257	263	269	275	282	288
62 WRIST CIRCUMFERNCE	140	142	145	147	150	152	155	157	160	162	165
63 BIACROMIAL BREADTH	342	346	350	354	359	363	367	372	376	380	385
64 BIDELOID BREADTH	380	390	400	410	420	429	439	449	459	469	479
65 CHEST BREADTH	252	259	266	273	281	288	295	302	309	316	323
66 BUST PT-BUST PT BR	166	171	176	181	186	191	195	200	205	210	215
67 WAIST BREADTH	210	218	226	234	242	250	258	266	274	281	289
68 HIP BREADTH	314	323	332	341	350	360	369	378	387	396	405
69 THIGH-THIGH BR,SIT	335	347	359	371	383	395	407	419	431	442	454
70 HUMERAL BREADTH, R	58	59	60	61	61	62	63	64	65	66	67

VALUES IN YEARS, MILLIMETERS, AND 100-GRAMS

TABLE XXXII
REGRESSION ESTIMATES CORRESPONDING TO SELECTED
VALUES OF WEIGHT---ENGLISH VALUES

WEIGHT IN POUNDS.....	90	100	110	120	130	140	150	160	170	180	190
36 NECK CIRCUMFERENCE	124	127	129	131	134	136	138	140	143	145	147
37 SHOULDER CIRCUMFER	357	368	378	388	398	408	419	429	439	449	459
38 CHEST CIRC AT SCYE	297	306	315	325	334	344	353	363	372	382	391
39 BUST CIRCUMFERENCE	313	324	335	346	356	367	378	389	400	411	421
40 CHEST C BELOW BUST	259	268	277	286	295	304	314	323	332	341	350
41 WAIST CIRCUMFERNCE	225	235	246	257	268	278	289	300	311	321	332
42 ABDOMINAL EXT CIRC	286	300	314	327	341	355	369	382	396	410	424
43 HIP C-7" BLW WAIST	325	337	348	360	372	384	396	408	419	431	443
44 HIP C-9" BLW WAIST	328	341	353	366	379	391	404	417	429	442	455
45 UPPER THIGH CIRCUM	187	196	204	212	221	229	238	246	255	263	271
46 KNEE CIRCUMFERENCE	127	131	135	140	144	149	153	157	162	166	171
47 CALF CIRCUM, RIGHT	120	124	128	132	136	140	144	148	152	156	160
48 CALF CIRCUM, LEFT	120	124	128	132	136	140	144	148	152	156	160
49 ANKLE CIRCUMFERNCE	76	78	80	82	84	85	87	89	91	93	94
50 VERTICAL TRUNK CIR	560	573	586	599	612	625	637	650	663	676	689
51 VERTICAL TRK C,SIT	548	560	571	583	594	606	617	629	640	652	663
52 BUTTOCK CIRC, SIT	345	358	371	384	397	411	424	437	450	463	476
53 SCYE CIRCUMFERENCE	130	135	139	143	147	151	156	160	164	168	173
54 AXILLARY ARM CIRC	92	96	100	105	109	114	118	123	127	131	136
55 BICEPS C,RELAXED,R	85	89	93	98	102	106	111	115	120	124	128
56 BICEPS C,FLEXED, R	89	93	98	102	107	111	116	120	124	129	133
57 BICEPS C,RELAXED,L	84	89	93	98	102	107	112	116	121	125	130
58 BICEPS C,FLEXED, L	88	92	97	101	106	110	115	119	124	129	133
59 ELBOW CIRC, FLEXED	97	100	102	104	107	109	112	114	117	119	121
60 FOREARM C, RELAXED	83	85	88	91	93	96	98	101	104	106	109
61 FOREARM C, FLEXED	88	91	94	96	99	102	105	108	110	113	116
62 WRIST CIRCUMFERNCE	55	56	57	58	59	60	61	62	64	65	66
63 BIACROMIAL BREADTH	134	136	138	140	142	144	146	147	149	151	153
64 BIDELOID BREADTH	149	153	157	162	166	171	175	179	184	188	192
65 CHEST BREADTH	98	102	105	108	111	114	118	121	124	127	130
66 BUST PT-BUST PT BR	65	67	69	71	74	76	78	80	82	84	87
67 WAIST BREADTH	82	85	89	92	96	100	103	107	110	114	117
68 HIP BREADTH	123	127	131	135	139	143	147	151	155	159	163
69 THIGH-THIGH BR,SIT	131	136	141	147	152	157	163	168	173	178	184
70 HUMERAL BREADTH, R	23	23	23	24	24	25	25	25	26	26	27

VALUES IN YEARS, TENTHS OF INCHES, TENTHS OF POUNDS

TABLE XXXII
REGRESSION ESTIMATES CORRESPONDING TO SELECTED
VALUES OF WEIGHT---METRIC VALUES

WEIGHT IN KILOGRAMS..	42	46	50	54	58	62	66	70	74	78	82
71 HUMERAL BREADTH, L	58	58	59	60	61	62	63	64	65	65	66
72 FEMORAL BREADTH, R	77	78	79	80	81	82	84	85	86	87	88
73 FEMORAL BREADTH, L	77	78	79	80	81	83	84	85	86	87	89
74 CHEST DEPTH	206	214	222	229	237	245	252	260	268	275	283
75 WAIST DEPTH	144	151	158	164	171	177	184	190	197	203	210
76 ABDOMINAL EXT DPTH	174	183	192	201	210	219	228	236	245	254	263
77 BUTTOCK DEPTH	182	189	197	205	212	220	228	235	243	251	258
78 THIGH CLEARANCE	106	110	115	120	125	130	134	139	144	149	153
79 SHOULDER LENGTH	141	142	144	145	147	148	150	151	153	154	156
80 NECK-BUST POINT L	232	238	244	250	255	261	267	273	278	284	290
81 STRAP LENGTH	599	612	626	640	653	667	681	694	708	722	735
82 INTERSCYE	323	330	337	344	351	358	365	372	379	386	393
83 INTERSCYE, MAXIMUM	456	466	475	485	495	504	514	524	533	543	553
84 BACK CURVATURE	383	393	403	412	422	432	442	452	462	472	481
85 WAIST BACK	391	395	398	402	405	409	412	416	419	423	427
86 ANTERIOR WAIST LTH	317	322	327	331	336	341	346	351	355	360	365
87 SLEEVE INSEAM	427	430	434	438	442	445	449	453	456	460	464
88 SPINE-TO-SCYE LGTH	192	195	198	201	204	207	210	213	216	219	223
89 SPINE-TO-ELBOW LTH	505	512	519	526	534	541	548	556	563	570	578
90 SPINE-TO-WRIST LTH	757	767	777	787	797	807	817	827	837	847	857
91 HAND LENGTH	176	178	180	182	184	186	188	190	192	194	196
92 HAND BREADTH	72	73	74	75	76	76	77	78	79	80	81
93 HAND CIRCUMFERENCE	174	176	179	181	183	186	188	191	193	195	198
94 FOOT LENGTH	229	232	235	238	241	244	247	250	253	256	259
95 FOOT BREADTH	85	86	87	88	89	90	91	92	93	94	95
96 HEAD LENGTH	180	181	182	183	184	185	186	187	189	190	191
97 HEAD BREADTH	142	142	143	144	145	146	147	148	149	150	151
98 HEAD CIRCUMFERENCE	535	539	542	545	549	552	556	559	563	566	570
99 TRAGION-TOP HEAD	124	125	126	126	127	128	129	130	131	132	133
100 ECTOCANTHUS-TOP HD	114	115	116	117	118	119	119	120	121	122	123
101 PRONASALE-TOP HEAD	144	145	146	147	148	149	149	150	151	152	153
102 SUBNASALE-TOP HEAD	155	156	157	158	159	160	161	162	163	165	166
103 STOMION-TOP HEAD	174	175	176	177	178	179	181	182	183	184	185
104 MENTON-TOP HEAD	213	214	216	218	219	221	223	224	226	227	229
105 TRAGION TO WALL	98	99	100	101	102	103	104	105	106	107	108

VALUES IN YEARS, MILLIMETERS, AND 100-GRAMS

TABLE XXXII
REGRESSION ESTIMATES CORRESPONDING TO SELECTED
VALUES OF WEIGHT---ENGLISH VALUES

WEIGHT IN POUNDS.....	90	100	110	120	130	140	150	160	170	180	190
71 HUMERAL BREADTH, L	23	23	23	24	24	25	25	25	26	26	26
72 FEMORAL BREADTH, R	30	31	31	32	32	33	33	34	34	35	35
73 FEMORAL BREADTH, L	30	31	31	32	32	33	33	34	34	35	35
74 CHEST DEPTH	80	84	87	91	94	97	101	104	108	111	115
75 WAIST DEPTH	56	59	62	65	68	71	74	77	80	82	85
76 ABDOMINAL EXT DPTH	67	71	75	79	83	87	91	95	99	103	107
77 BUTTOCK DEPTH	71	74	77	81	84	88	91	95	98	101	105
78 THIGH CLEARANCE	41	43	45	47	50	52	54	56	58	60	62
79 SHOULDER LENGTH	55	56	57	57	58	59	59	60	61	61	62
80 NECK-BUST POINT L	91	93	96	99	101	104	106	109	111	114	117
81 STRAP LENGTH	234	240	246	252	259	265	271	277	283	289	295
82 INTERSCYE	127	130	133	136	139	142	145	148	151	154	157
83 INTERSCYE, MAXIMUM	178	183	187	191	195	200	204	209	213	217	222
84 BACK CURVATURE	150	154	158	163	167	172	176	180	185	189	194
85 WAIST BACK	154	155	157	158	160	162	163	165	166	168	169
86 ANTERIOR WAIST LTH	124	126	129	131	133	135	137	139	141	143	146
87 SLEEVE INSEAM	168	169	171	173	174	176	178	179	181	182	184
88 SPINE-TO-SCYE LGTH	75	76	78	79	81	82	83	85	86	88	89
89 SPINE-TO-ELBOW LTH	198	201	204	208	211	214	217	221	224	227	230
90 SPINE-TO-WRIST LTH	297	301	306	310	315	319	324	328	332	337	341
91 HAND LENGTH	69	70	71	72	73	73	74	75	76	77	78
92 HAND BREADTH	28	29	29	29	30	30	31	31	31	32	32
93 HAND CIRCUMFERENCE	68	69	70	71	72	73	75	76	77	78	79
94 FOOT LENGTH	90	91	92	94	95	97	98	99	101	102	103
95 FOOT BREADTH	33	34	34	35	35	36	36	36	37	37	38
96 HEAD LENGTH	71	71	72	72	73	73	74	74	75	75	76
97 HEAD BREADTH	56	56	56	57	57	58	58	58	59	59	60
98 HEAD CIRCUMFERENCE	210	212	213	215	216	218	220	221	223	224	226
99 TRAGION-TOP HEAD	49	49	49	50	50	51	51	51	52	52	53
100 ECTOCANTHUS-TOP HD	45	45	46	46	46	47	47	48	48	48	49
101 PRONASALE-TOP HEAD	57	57	57	58	58	59	59	59	60	60	61
102 SUBNASALE-TOP HEAD	61	61	62	62	63	63	64	64	65	65	66
103 STOMION-TOP HEAD	68	69	69	70	70	71	71	72	72	73	73
104 MENTON-TOP HEAD	84	84	85	86	86	87	88	89	89	90	91
105 TRAGION TO WALL	38	39	39	40	40	41	41	41	42	42	43

VALUES IN YEARS, TENTHS OF INCHES, TENTHS OF POUNDS

TABLE XXXII
REGRESSION ESTIMATES CORRESPONDING TO SELECTED
VALUES OF WEIGHT---METRIC VALUES

WEIGHT IN KILOGRAMS..	42	46	50	54	58	62	66	70	74	78	82
106 ECTOCANTHUS-WALL	158	159	161	162	164	165	167	168	170	171	173
107 PRONASALE TO WALL	205	207	209	210	212	214	216	217	219	221	223
108 SUBNASALE TO WALL	190	192	194	195	197	198	200	202	203	205	207
109 LIP PROTRUS'N-WALL	187	189	190	192	193	195	196	198	199	201	202
110 MENTON TO WALL	175	177	179	181	182	184	186	188	190	192	193
111 SAGITTAL CURVATURE	341	342	344	346	348	350	352	354	356	357	359
112 BITRAGION-CORONAL	330	333	335	337	339	342	344	346	348	351	353
113 BIOCLAR BREADTH	94	95	96	96	97	97	98	99	99	100	100
114 BIAURICULAR BRDTH	154	155	156	157	158	160	161	162	163	164	165
115 BITRAGION BREADTH	125	126	127	128	129	130	131	132	133	134	135
116 BIZYGOMATIC BRDTH	125	126	127	128	129	130	131	132	133	135	136
117 BIGONIAL BREADTH	98	99	100	101	102	103	104	105	106	107	108
118 NASAL BREADTH	31	31	32	32	32	32	32	32	33	33	33
119 LIP LENGTH	43	43	43	44	44	44	44	44	45	45	45
120 MENTON-SUBNASALE L	53	54	54	55	55	56	57	57	58	58	59
121 MENTON-SELLION LTH	103	104	105	105	106	107	108	109	110	111	112
122 SUBNASALE-SELLION	44	44	45	45	45	46	46	47	47	47	48
123 EAR LENGTH	50	50	51	52	52	53	54	54	55	56	56
124 EAR BREADTH	29	29	29	30	30	30	30	31	31	31	31
125 GRIP STRENGTH	256	267	278	289	300	311	322	333	344	355	366
139 STATURE REPORTED	1574	1592	1611	1629	1648	1666	1684	1703	1721	1740	1758
140 WEIGHT REPORTED	423	460	498	535	572	609	647	684	721	758	795

VALUES IN YEARS, MILLIMETERS, AND 100-GRAMS

TABLE XXXII
REGRESSION ESTIMATES CORRESPONDING TO SELECTED
VALUES OF WEIGHT---ENGLISH VALUES

HEIGHT IN POUNDS.....	90	100	110	120	130	140	150	160	170	180	190
106 ECTOCANTHUS-WALL	62	63	63	64	65	65	66	67	67	68	69
107 PRONASALE TO WALL	80	81	82	83	84	84	85	86	87	88	88
108 SUBNASALE TO WALL	75	75	76	77	78	78	79	80	81	81	82
109 LIP PROTRUS'N-WALL	73	74	75	76	76	77	78	78	79	80	80
110 MENTON TO WALL	69	70	70	71	72	73	74	74	75	76	77
111 SAGITTAL CURVATURE	134	135	136	136	137	138	139	140	141	141	142
112 BITRAGION-CORONAL	130	131	132	133	134	135	136	137	138	139	140
113 BIOCLAR BREADTH	37	37	38	38	38	38	39	39	39	40	40
114 BIAURICULAR BROTH	61	61	62	62	62	63	63	64	64	65	65
115 BITRAGION BREADTH	49	49	50	50	51	51	52	52	53	53	54
116 BIZYGOMATIC BROTH	49	49	50	50	51	51	52	52	53	53	54
117 BIGONIAL BREADTH	38	39	39	40	40	41	41	42	42	43	43
118 NASAL BREADTH	12	12	12	13	13	13	13	13	13	13	13
119 LIP LENGTH	17	17	17	17	17	17	17	18	18	18	18
120 MENTON-SUBNASALE L	21	21	21	22	22	22	22	23	23	23	23
121 MENTON-SELLION LTH	40	41	41	42	42	42	43	43	43	44	44
122 SUBNASALE-SELLION	17	17	18	18	18	18	18	18	19	19	19
123 EAR LENGTH	20	20	20	20	21	21	21	22	22	22	22
124 EAR BREADTH	11	11	12	12	12	12	12	12	12	12	12
125 GRIP STRENGTH	557	585	612	639	667	694	722	749	776	804	831
139 STATURE REPORTED	618	626	634	642	650	659	667	675	683	692	700
140 WEIGHT REPORTED	909	1002	1095	1188	1281	1374	1467	1560	1653	1746	1839

VALUES IN YEARS, TENTHS OF INCHES, TENTHS OF POUNDS

TABLE XXXIII
REGRESSION ESTIMATES CORRESPONDING TO SELECTED
VALUES OF STATURE---METRIC VALUES

STATURE IN CMS.....	148	151	154	157	160	163	166	169	172	175	178
1 AGE	23	23	23	23	23	23	24	24	24	24	24
2 WEIGHT	483	503	523	543	563	583	603	623	643	663	683
3 TRICEPS SKINFOLD	18	18	18	19	19	19	19	19	20	20	20
4 SUBSCAPULAR SKINFOLD	13	13	13	13	13	13	13	13	13	13	13
5 SUPRAILAC SKINFOLD	18	18	19	19	19	20	20	21	21	21	22
6 MEDIAL CALF SKINFOLD	16	16	16	16	16	16	16	16	16	16	16
8 STATURE, MAXIMUM	1486	1516	1546	1576	1606	1636	1666	1697	1727	1757	1787
9 CERVICAL HEIGHT	1265	1292	1319	1346	1373	1400	1427	1454	1481	1508	1535
10 ACROMIAL HEIGHT	1195	1221	1248	1274	1300	1326	1353	1379	1405	1431	1458
11 SUPRASTERNAL HEIGHT	1199	1225	1250	1276	1302	1328	1353	1379	1405	1431	1457
12 BUSTPOINT HEIGHT	1070	1094	1118	1142	1166	1190	1215	1239	1263	1287	1311
13 WAIST HEIGHT	906	927	947	968	988	1009	1029	1050	1071	1091	1112
14 ABDOMINAL EXT HGT	838	858	878	898	918	937	957	977	997	1017	1037
15 TROCHANTERIC HEIGHT	741	759	778	796	814	832	850	868	887	905	923
16 BUTTOCK HEIGHT	739	757	775	792	810	827	845	863	880	898	916
17 GLUTEAL FURROW HGT	650	667	683	699	715	732	748	765	781	797	814
18 TIBIALE HEIGHT	376	385	395	404	413	423	432	441	451	460	469
19 CROTCH HEIGHT	665	682	699	716	733	750	767	784	801	819	836
20 ANKLE HEIGHT	102	104	106	108	110	112	115	117	119	121	123
21 LAT'L MALLEOLUS HT	62	63	64	66	67	68	69	71	72	73	74
22 SITTING HT, RELAXED	783	796	808	821	834	847	859	872	885	897	910
23 SITTING HEIGHT	796	809	822	834	847	860	872	885	898	910	923
24 EYE HEIGHT, SITTING	684	695	707	718	729	740	752	763	774	785	797
25 MIDSHOULDER HT, SIT	535	545	554	564	573	583	592	602	611	621	630
26 WAIST HGT, SITTING	217	221	224	228	231	235	238	242	245	249	252
27 ELBOW REST HEIGHT	215	218	220	223	225	228	230	233	235	238	240
28 POPLITEAL HEIGHT	379	385	392	399	406	412	419	426	433	440	446
29 BUTTOCK-POPLIT'L L	435	444	453	462	471	480	489	498	507	516	525
30 BUTTOCK-KNEE LENGTH	527	537	547	557	567	577	587	598	608	618	628
31 ACROMION-RADIAL L	282	288	294	300	306	312	318	324	329	335	341
32 RADIAL-STYLION L	212	217	222	226	231	235	240	244	249	253	258
33 THUMB-TIP REACH	682	695	708	720	733	745	758	770	783	795	808
34 THUMB-TIP, EXTENDED	768	783	798	813	828	843	858	873	888	902	917
35 OVERHEAD REACH	1821	1857	1894	1930	1967	2003	2040	2076	2112	2149	2185
36 NECK CIRCUMFERENCE	325	328	330	333	336	338	341	344	346	349	352
37 SHOULDER CIRCUMFER	964	972	981	990	998	1007	1015	1024	1032	1041	1050
38 CHEST CIRC AT SCYE	808	816	823	830	837	845	852	859	866	874	881
39 BUST CIRCUMFERENCE	863	870	878	885	892	899	907	914	921	929	936
40 CHEST C BELOW BUST	710	717	724	731	738	745	752	759	766	773	780
41 WAIST CIRCUMFERENCE	636	644	651	659	667	674	682	690	697	705	712
42 ABDOMINAL EXT CIRC	815	823	832	841	850	859	868	877	886	895	904
43 HIP C-7" BLW WAIST	890	900	910	920	929	939	949	959	969	979	989
44 HIP C-9" BLW WAIST	902	913	923	934	945	956	967	978	988	999	1010
45 UPPER THIGH CIRCUM	528	534	540	545	551	556	562	568	573	579	584

VALUES IN YEARS, MILLIMETERS, AND 100-GRAMS

TABLE XXXIII
REGRESSION ESTIMATES CORRESPONDING TO SELECTED
VALUES OF STATURE---ENGLISH VALUES

STATURE IN INCHES....	59	60	61	62	63	64	65	66	67	68	69
1 AGE	23	23	23	23	23	23	24	24	24	24	24
2 WEIGHT	1091	1129	1166	1203	1241	1278	1315	1353	1390	1427	1465
3 TRICEPS SKINFOLD	7	7	7	7	7	8	8	8	8	8	8
4 SUBSCAPULAR SKINFOLD	5	5	5	5	5	5	5	5	5	5	5
5 SUPRAILIAC SKINFOLD	7	7	7	8	8	8	8	8	8	8	8
6 MEDIAL CALF SKINFOLD	6	6	6	6	6	6	6	6	6	6	6
8 STATURE, MAXIMUM	592	602	613	623	633	643	653	663	673	683	693
9 CERVICAL HEIGHT	505	514	523	532	541	550	559	568	577	586	595
10 ACROMIAL HEIGHT	477	486	494	503	512	521	529	538	547	556	564
11 SUPRASTERNAL HEIGHT	478	487	495	504	513	521	530	538	547	556	564
12 BUST POINT HEIGHT	427	435	443	451	459	467	475	483	491	499	508
13 WAIST HEIGHT	362	369	375	382	389	396	403	410	417	423	430
14 ABDOMINAL EXT HGT	335	341	348	355	361	368	375	381	388	394	401
15 TROCHANTERIC HEIGHT	296	302	308	314	321	327	333	339	345	351	357
16 BUTTOCK HEIGHT	295	301	307	313	319	325	331	336	342	348	354
17 GLUTEAL FURROW HGT	260	265	271	276	282	287	293	298	304	309	314
18 TIBIAL HEIGHT	150	153	157	160	163	166	169	172	175	178	181
19 CROTCH HEIGHT	266	272	277	283	289	294	300	306	311	317	323
20 ANKLE HEIGHT	41	41	42	43	43	44	45	46	46	47	48
21 LAT'L MALLEOLUS HT	25	25	25	26	26	27	27	28	28	28	29
22 SITTING HT, RELAXED	311	316	320	324	328	333	337	341	345	350	354
23 SITTING HEIGHT	317	321	325	329	334	338	342	346	350	355	359
24 EYE HEIGHT, SITTING	272	276	280	283	287	291	295	298	302	306	310
25 MIDSHOULDER HT, SIT	213	216	219	223	226	229	232	235	238	242	245
26 WAIST HGT, SITTING	86	88	89	90	91	92	93	95	96	97	98
27 ELBOW REST HEIGHT	85	86	87	88	89	90	90	91	92	93	94
28 POPLITEAL HEIGHT	151	153	155	158	160	162	164	167	169	171	173
29 BUTTOCK-POPLIT'L L	173	176	179	182	185	188	191	194	197	200	203
30 BUTTOCK-KNEE LENGTH	210	213	217	220	223	227	230	233	237	240	244
31 ACROMION-RADIAL L	113	115	117	118	120	122	124	126	128	130	132
32 RADIAL-STYLION L	85	86	88	89	91	92	94	95	97	98	100
33 THUMB-TIP REACH	272	276	280	284	288	293	297	301	305	309	313
34 THUMB-TIP, EXTENDED	306	311	316	321	326	331	336	341	346	351	356
35 OVERHEAD REACH	726	738	750	762	774	787	799	811	823	835	847
36 NECK CIRCUMFERENCE	129	129	130	131	132	133	134	135	136	137	137
37 SHOULDER CIRCUMFERENCE	382	384	387	390	393	396	399	402	404	407	410
38 CHEST CIRC AT SCYE	320	322	325	327	330	332	335	337	339	342	344
39 BUST CIRCUMFERENCE	342	344	346	349	351	354	356	359	361	363	366
40 CHEST C BELOW BUST	281	284	286	288	291	293	295	298	300	302	305
41 WAIST CIRCUMFERENCE	252	255	257	260	262	265	268	270	273	275	278
42 ABDOMINAL EXT CIRC	323	326	329	332	335	338	341	344	347	350	353
43 HIP C-7" BLW WAIST	353	356	359	363	366	369	373	376	379	382	386
44 HIP C-9" BLW WAIST	358	361	365	369	372	376	379	383	387	390	394
45 UPPER THIGH CIRCUM	209	211	213	215	217	219	221	222	224	226	228

VALUES IN YEARS, TENTHS OF INCHES, TENTHS OF POUNDS

TABLE XXXIII
REGRESSION ESTIMATES CORRESPONDING TO SELECTED
VALUES OF STATURE---METRIC VALUES

STATURE IN CMS.....	148	151	154	157	160	163	166	169	172	175	178
46 KNEE CIRCUMFERENCE	342	347	351	356	360	364	369	373	377	382	386
47 CALF CIRCUM, RIGHT	326	329	332	336	339	342	346	349	352	356	359
48 CALF CIRCUM, LEFT	326	330	333	337	340	343	347	350	354	357	360
49 ANKLE CIRCUMFERNCE	200	202	205	207	209	212	214	216	218	221	223
50 VERTICAL TRUNK CIR	1444	1466	1487	1508	1529	1551	1572	1593	1614	1636	1657
51 VERTICAL TRK C,SIT	1396	1418	1441	1463	1485	1507	1530	1552	1574	1596	1618
52 BUTTOCK CIRC, SIT	946	957	969	980	992	1003	1015	1027	1038	1050	1061
53 SCYE CIRCUMFERENCE	351	356	360	364	368	372	376	381	385	389	393
54 AXILLARY ARM CIRC	265	267	269	271	273	275	277	279	281	283	285
55 BICEPS C,RELAXED,R	249	250	252	253	255	257	258	260	261	263	265
56 BICEPS C,FLEXED, R	259	261	263	265	267	269	270	272	274	276	278
57 BICEPS C,RELAXED,L	249	251	252	254	255	257	259	260	262	264	265
58 BICEPS C,FLEXED, L	257	259	260	262	264	266	268	270	271	273	275
59 ELBOW CIRC, FLEXED	253	256	260	264	267	271	275	278	282	286	289
60 FOREARM C, RELAXED	225	227	229	231	233	235	238	240	242	244	246
61 FOREARM C, FLEXED	239	241	243	246	248	250	253	255	257	260	262
62 WRIST CIRCUMFERNCE	142	144	145	147	148	150	152	153	155	157	158
63 BIACROMIAL BREADTH	341	345	348	352	356	360	363	367	371	375	378
64 BIDELOID BREADTH	402	406	409	413	416	420	423	427	430	434	437
65 CHEST BREADTH	267	270	273	275	278	281	283	286	289	291	294
66 BUST PT-BUST PT BR	178	179	181	183	184	186	187	189	191	192	194
67 WAIST BREADTH	226	230	233	236	239	242	245	249	252	255	258
68 HIP BREADTH	332	335	339	343	347	351	355	359	362	366	370
69 THIGH-THIGH BR,SIT	366	369	373	376	379	383	386	390	393	397	400
70 HUMERAL BREADTH, R	58	59	59	60	61	62	62	63	64	65	65
71 HUMERAL BREADTH, L	58	58	59	60	60	61	62	63	63	64	65
72 FEMORAL BREADTH, R	78	78	79	80	81	81	82	83	84	84	85
73 FEMORAL BREADTH, L	78	79	79	80	81	82	82	83	84	85	85
74 CHEST DEPTH	226	228	231	233	235	237	239	241	244	246	248
75 WAIST DEPTH	163	164	166	167	169	171	172	174	175	177	179
76 ABDOMINAL EXT DPTH	199	201	203	205	207	210	212	214	216	218	221
77 BUTTOCK DEPTH	202	204	206	208	210	212	214	216	219	221	223
78 THIGH CLEARANCE	112	114	117	120	122	125	128	131	133	136	139
79 SHOULDER LENGTH	138	140	142	143	145	147	149	151	153	155	156
80 NECK-BUST POINT L	243	246	248	251	253	256	258	261	263	266	268
81 STRAP LENGTH	622	629	635	641	648	654	660	667	673	679	686
82 INTERSCYE	340	342	344	347	349	351	354	356	358	360	363
83 INTERSCYE, MAXIMUM	467	473	478	484	490	496	501	507	513	519	525
84 BACK CURVATURE	405	408	412	415	419	423	426	430	433	437	441
85 WAIST BACK	375	381	388	394	401	407	414	420	426	433	439
86 ANTERIOR WAIST LTH	315	319	324	328	333	337	342	346	351	355	359
87 SLEEVE INSEAM	401	410	418	427	435	444	452	461	469	478	487
88 SPINE-TO-SCYE LGTH	195	197	199	201	202	204	206	208	209	211	213
89 SPINE-TO-ELBOW LTH	495	503	511	519	527	536	544	552	560	568	576
90 SPINE-TO-WRIST LTH	737	749	762	774	787	800	812	825	837	850	862

VALUES IN YEARS, MILLIMETERS, AND 100-GRAMS

TABLE XXXIII
REGRESSION ESTIMATES CORRESPONDING TO SELECTED
VALUES OF STATURE---ENGLISH VALUES

STATURE IN INCHES.....	59	60	61	62	63	64	65	66	67	68	69
46 KNEE CIRCUMFERENCE	136	137	139	140	142	143	145	146	148	149	150
47 CALF CIRCUM, RIGHT	129	130	131	132	134	135	136	137	138	139	140
48 CALF CIRCUM, LEFT	129	130	132	133	134	135	136	137	138	140	141
49 ANKLE CIRCUMFERNCE	79	80	81	82	82	83	84	85	85	86	87
50 VERTICAL TRUNK CIR	574	581	588	595	602	609	616	623	630	638	645
51 VERTICAL TRK C,SIT	555	562	570	577	585	592	600	607	614	622	629
52 BUTTOCK CIRC, SIT	375	379	383	387	391	394	398	402	406	410	414
53 SCYE CIRCUMFERENCE	139	141	142	144	145	146	148	149	150	152	153
54 AXILLARY ARM CIRC	105	106	106	107	108	108	109	109	110	111	111
55 BICEPS C,RELAXED,R	98	99	99	100	100	101	101	102	103	103	104
56 BICEPS C,FLEXED, R	102	103	104	104	105	106	106	107	107	108	109
57 BICEPS C,RELAXED,L	98	99	99	100	101	101	102	102	103	103	104
58 BICEPS C,FLEXED, L	102	102	103	103	104	105	105	106	106	107	108
59 ELBOW CIRC, FLEXED	100	102	103	104	105	106	108	109	110	111	113
60 FOREARM C, RELAXED	89	90	90	91	92	93	93	94	95	95	96
61 FOREARM C, FLEXED	95	95	96	97	98	98	99	100	101	102	102
62 WRIST CIRCUMFERNCE	56	57	57	58	58	59	60	60	61	61	62
63 BIACROMIAL BREADTH	135	136	138	139	140	141	143	144	145	146	148
64 BIDELOID BREADTH	159	160	162	163	164	165	166	167	169	170	171
65 CHEST BREADTH	106	107	108	109	109	110	111	112	113	114	115
66 BUST PT-BUST PT BR	70	71	71	72	73	73	74	74	75	75	76
67 WAIST BREADTH	90	91	92	93	94	95	96	97	98	99	100
68 HIP BREADTH	131	133	134	135	137	138	139	140	142	143	144
69 THIGH-THIGH BR,SIT	145	146	147	148	149	151	152	153	154	155	156
70 HUMERAL BREADTH, R	23	23	23	24	24	24	24	25	25	25	25
71 HUMERAL BREADTH, L	23	23	23	24	24	24	24	25	25	25	25
72 FEMORAL BREADTH, R	31	31	31	31	32	32	32	33	33	33	33
73 FEMORAL BREADTH, L	31	31	31	32	32	32	32	33	33	33	33
74 CHEST DEPTH	90	90	91	92	92	93	94	95	95	96	97
75 WAIST DEPTH	64	65	65	66	67	67	68	68	69	69	70
76 ABDOMINAL EXT DPTH	79	79	80	81	82	82	83	84	85	85	86
77 BUTTOCK DEPTH	80	81	81	82	83	83	84	85	86	86	87
78 THIGH CLEARANCE	45	46	46	47	48	49	50	51	52	53	54
79 SHOULDER LENGTH	55	55	56	57	57	58	58	59	60	60	61
80 NECK-BUST POINT L	96	97	98	99	100	101	101	102	103	104	105
81 STRAP LENGTH	247	249	251	253	255	257	259	261	263	266	268
82 INTERSCYE	134	135	136	137	137	138	139	140	140	141	142
83 INTERSCYE, MAXIMUM	185	187	189	191	193	195	197	199	201	202	204
84 BACK CURVATURE	160	161	163	164	165	166	167	169	170	171	172
85 WAIST BACK	149	151	153	156	158	160	162	164	166	169	171
86 ANTERIOR WAIST LTH	125	126	128	129	131	132	134	135	137	138	140
87 SLEEVE INSEAM	160	163	166	169	171	174	177	180	183	186	188
88 SPINE-TO-SCYE LGTH	77	78	79	79	80	80	81	81	82	83	83
89 SPINE-TO-ELBOW LTH	197	200	202	205	208	210	213	216	219	221	224
90 SPINE-TO-WRIST LTH	293	297	302	306	310	314	318	322	327	331	335

VALUES IN YEARS, TENTHS OF INCHES, TENTHS OF POUNDS

TABLE XXXIII
REGRESSION ESTIMATES CORRESPONDING TO SELECTED
VALUES OF STATURE---METRIC VALUES

STATURE IN CMS.....	148	151	154	157	160	163	166	169	172	175	178
91 HAND LENGTH	170	173	176	179	182	185	188	190	193	196	199
92 HAND BREADTH	72	73	74	74	75	76	77	77	78	79	79
93 HAND CIRCUMFERENCE	175	177	179	180	182	184	185	187	189	190	192
94 FOOT LENGTH	222	226	230	234	238	242	246	250	254	257	261
95 FOOT BREADTH	85	85	86	87	88	89	90	91	92	92	93
96 HEAD LENGTH	179	180	181	182	183	184	186	187	188	189	190
97 HEAD BREADTH	143	144	144	144	145	145	146	146	146	147	147
98 HEAD CIRCUMFERENCE	536	539	541	544	547	549	552	555	558	560	563
99 TRAGION-TOP HEAD	123	124	125	126	127	128	128	129	130	131	132
100 ECTOCANTHUS-TOP HD	113	114	115	116	117	118	119	120	121	122	123
101 PRONASALE-TOP HEAD	141	142	144	145	147	148	149	151	152	154	155
102 SUBNASALE-TOP HEAD	152	153	155	156	158	160	161	163	164	166	167
103 STOMION-TOP HEAD	171	172	174	175	177	179	180	182	184	185	187
104 MENTON-TOP HEAD	209	212	214	216	218	220	222	224	226	228	230
105 TRAGION TO WALL	98	99	100	100	101	102	103	104	104	105	106
106 ECTOCANTHUS-WALL	158	159	161	162	163	164	165	166	168	169	170
107 PRONASALE TO WALL	206	207	208	210	211	212	214	215	216	218	219
108 SUBNASALE TO WALL	191	192	194	195	196	197	198	199	200	201	203
109 LIP PROTRUS'N-WALL	189	190	191	192	192	193	194	195	196	197	198
110 MENTON TO WALL	179	180	181	181	182	183	183	184	184	185	186
111 SAGITTAL CURVATURE	338	340	342	344	346	348	351	353	355	357	359
112 BITRAGION-CORONAL	331	333	335	336	338	340	341	343	345	347	348
113 BIOCLAR BREADTH	95	95	95	96	96	97	97	98	98	99	99
114 BIAURICULAR BRDTH	155	156	156	157	158	159	159	160	161	161	162
115 BITRAGION BREADTH	126	127	127	128	128	129	130	130	131	131	132
116 BIZYGOMATIC BRDTH	126	127	127	128	129	129	130	130	131	131	132
117 BIGONIAL BREADTH	100	100	101	101	102	102	102	103	103	104	104
118 NASAL BREADTH	32	32	32	32	32	32	32	32	32	32	32
119 LIP LENGTH	43	43	43	44	44	44	44	44	44	44	44
120 MENTON-SUBNASALE L	53	54	54	55	55	56	56	56	57	57	58
121 MENTON-SELLION LTH	102	103	104	105	106	107	107	108	109	110	111
122 SUBNASALE-SELLION	44	44	44	45	45	46	46	46	47	47	47
123 EAR LENGTH	51	51	51	52	52	52	53	53	54	54	54
124 EAR BREADTH	29	29	29	30	30	30	30	30	30	31	31
125 GRIP STRENGTH	259	268	276	285	293	301	310	318	327	335	343
139 STATURE REPORTED	1507	1536	1566	1596	1625	1655	1685	1714	1744	1774	1803
140 WEIGHT REPORTED	475	495	515	535	555	575	595	615	635	654	674

VALUES IN YEARS, MILLIMETERS, AND 100-GRAMS

TABLE XXXIII
REGRESSION ESTIMATES CORRESPONDING TO SELECTED
VALUES OF STATURE---ENGLISH VALUES

STATURE IN INCHES.....	59	60	61	62	63	64	65	66	67	68	69
91 HAND LENGTH	68	69	70	71	72	73	74	74	75	76	77
92 HAND BREADTH	29	29	29	29	30	30	30	30	31	31	31
93 HAND CIRCUMFERENCE	69	70	71	71	72	72	73	73	74	74	75
94 FOOT LENGTH	88	90	91	92	94	95	96	98	99	100	101
95 FOOT BREADTH	33	34	34	34	35	35	35	36	36	36	36
96 HEAD LENGTH	71	71	71	72	72	73	73	73	74	74	74
97 HEAD BREADTH	56	57	57	57	57	57	57	57	58	58	58
98 HEAD CIRCUMFERENCE	212	213	213	214	215	216	217	218	219	220	221
99 TRAGION-TOP HEAD	49	49	49	50	50	50	50	51	51	51	52
100 ECTOCANTHUS-TOP HD	45	45	45	46	46	46	47	47	47	48	48
101 PRONASALE-TOP HEAD	56	56	57	57	58	58	59	59	60	60	61
102 SUBNASALE-TOP HEAD	60	61	61	62	62	63	63	64	64	65	65
103 STOMION-TOP HEAD	68	68	69	69	70	70	71	71	72	72	73
104 MENTON-TOP HEAD	83	84	84	85	86	86	87	88	88	89	90
105 TRAGION TO WALL	39	39	39	40	40	40	40	41	41	41	41
106 ECTOCANTHUS-WALL	63	63	63	64	64	65	65	65	66	66	66
107 PRONASALE TO WALL	81	82	82	83	83	84	84	84	85	85	86
108 SUBNASALE TO WALL	76	76	76	77	77	77	78	78	79	79	79
109 LIP PROTRUS'N-WALL	75	75	75	75	76	76	76	77	77	77	77
110 MENTON TO WALL	71	71	71	71	72	72	72	72	72	73	73
111 SAGITTAL CURVATURE	134	134	135	136	136	137	138	138	139	140	141
112 BITRAGION-CORONAL	131	131	132	133	133	134	134	135	135	136	136
113 BIOCLAR BREADTH	37	37	38	38	38	38	38	38	39	39	39
114 BIAURICULAR BRDTH	61	61	62	62	62	62	63	63	63	63	64
115 BITRAGION BREADTH	50	50	50	50	51	51	51	51	51	52	52
116 BIZYGOMATIC BRDTH	50	50	50	50	51	51	51	51	51	52	52
117 BIGONIAL BREADTH	39	40	40	40	40	40	40	40	41	41	41
118 NASAL BREADTH	12	13	13	13	13	13	13	13	13	13	13
119 LIP LENGTH	17	17	17	17	17	17	17	17	17	17	17
120 MENTON-SUBNASALE L	21	21	21	22	22	22	22	22	22	22	23
121 MENTON-SELLION LTH	41	41	41	41	42	42	42	42	43	43	43
122 SUBNASALE-SELLION	17	17	18	18	18	18	18	18	18	18	19
123 EAR LENGTH	20	20	20	20	21	21	21	21	21	21	21
124 EAR BREADTH	11	12	12	12	12	12	12	12	12	12	12
125 GRIP STRENGTH	583	599	615	630	646	662	678	693	709	725	740
139 STATURE REPORTED	600	610	620	630	640	650	660	670	680	689	699
140 WEIGHT REPORTED	1075	1113	1150	1187	1224	1261	1298	1335	1372	1409	1446

VALUES IN YEARS, TENTHS OF INCHES, TENTHS OF POUNDS.

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN KILOGRAMS + STATURE IN CENTIMETERS---

ESTIMATES OF AGE												NO. 1 KILOS
HEIGHT	42	46	50	54	58	62	66	70	74	78	82	
178.0						23	24	25	26	27	28	MULTIPLE CORRELA- TION .238
175.0					22	23	24	25	26	27	28	
S 172.0				22	22	23	24	25	26	27	28	
T 169.0			21	22	23	24	25	26	27	28	28	STANDARD ERR EST. 6.3
A 166.0		20	21	22	23	24	25	26	27	28	29	
T 163.0		21	22	22	23	24	25	26	27	28		
U 160.0	20	21	22	23	24	25	26	27	28	28		VALUES IN YEARS
R 157.0	20	21	22	23	24	25	26	27	28			
E 154.0	21	22	22	23	24	25	26	27				
151.0	21	22	23	24	25	26	27					
148.0	21	22	23	24	25	26						

ESTIMATES OF TRICEPS SKINFOLD												NO. 3 KILOS
HEIGHT	42	46	50	54	58	62	66	70	74	78	82	
178.0						17	19	21	23	26	28	MULTIPLE CORRELA- TION .662
175.0					15	18	20	22	24	27	29	
S 172.0				14	16	18	21	23	25	27	30	
T 169.0			13	15	17	19	22	24	26	28	31	STANDARD ERR EST. 4.1
A 166.0		11	14	16	18	20	23	25	27	29	32	
T 163.0		12	14	17	19	21	23	26	28	30		
U 160.0	11	13	15	18	20	22	24	27	29	31		VALUES IN MM
R 157.0	12	14	16	19	21	23	25	28	30			
E 154.0	13	15	17	19	22	24	26	28				
151.0	14	16	18	20	23	25	27					
148.0	15	17	19	21	24	26						

ESTIMATES OF SUBSCAPULAR SKINFOLD												NO. 4 KILOS
HEIGHT	42	46	50	54	58	62	66	70	74	78	82	
178.0						10	12	14	16	18	20	MULTIPLE CORRELA- TION .663
175.0					9	11	13	15	17	19	21	
S 172.0				8	10	12	14	16	18	20	22	
T 169.0			7	9	11	13	15	17	19	21	23	STANDARD ERR EST. 3.6
A 166.0		6	8	10	12	14	16	18	20	22	24	
T 163.0		7	9	11	13	15	17	19	21	23		
U 160.0	6	8	10	12	14	16	18	20	22	24		VALUES IN MM
R 157.0	7	9	11	13	15	17	19	21	23			
E 154.0	8	10	12	14	16	18	20	22				
151.0	9	11	13	15	17	19	21					
148.0	10	12	14	16	18	20						

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN POUNDS + STATURE IN INCHES---

ESTIMATES OF AGE												NO. 1
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
68.0						24	25	26	27	28	29	MULTIPLE CORRELA- TION .238
67.0					23	24	25	26	27	28	29	
S 66.0				22	23	24	25	26	27	29	30	
T 65.0			21	22	23	24	26	27	28	29	30	STANDARD ERR EST. 6.3
A 64.0		20	22	23	24	25	26	27	28	29	30	
T 63.0		21	22	23	24	25	26	27	28	29		
U 62.0	20	21	22	23	24	25	26	27	29	30		VALUES IN YEARS
R 61.0	20	21	22	23	24	26	27	28	29			
E 60.0	20	22	23	24	25	26	27	28				
59.0	21	22	23	24	25	26	27					
58.0	21	22	23	24	25	26						

ESTIMATES OF TRICEPS SKINFOLD												NO. 3
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
68.0						8	9	10	11	12	13	MULTIPLE CORRELA- TION .662
67.0					7	8	9	10	11	12	13	
S 66.0				6	7	8	9	10	11	12	13	
T 65.0			5	6	7	8	9	10	11	12	13	STANDARD ERR EST. 1.6
A 64.0		5	6	7	8	9	10	11	12	13	14	
T 63.0		5	6	7	8	9	10	11	12	13		
U 62.0	4	5	6	7	8	9	10	11	12	13		VALUES IN IN/10
R 61.0	5	6	7	8	9	10	11	12	13			
E 60.0	5	6	7	8	9	10	11	12				
59.0	5	6	7	8	9	10	11					
58.0	6	7	8	9	10	11						

ESTIMATES OF SUBSCAPULAR SKINFOLD												NO. 4
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
68.0						5	6	7	8	8	9	MULTIPLE CORRELA- TION .663
67.0					4	5	6	7	8	9	10	
S 66.0				4	5	6	6	7	8	9	10	
T 65.0			3	4	5	6	7	8	9	9	10	STANDARD ERR EST. 1.4
A 64.0		3	3	4	5	6	7	8	9	10	11	
T 63.0		3	4	5	6	6	7	8	9	10		
U 62.0	2	3	4	5	6	7	8	9	10	10		VALUES IN IN/10
R 61.0	3	4	4	5	6	7	8	9	10			
E 60.0	3	4	5	6	7	7	8	9				
59.0	3	4	5	6	7	8	9					
58.0	4	5	5	6	7	8						

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN KILOGRAMS + STATURE IN CENTIMETERS---

ESTIMATES OF SUPRAILIAIC SKINFOLD												NO. 5
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
.....												
	178.0					17	20	23	26	28	31	MULTIPLE CORRELA- TION .634
	175.0				15	18	21	24	27	29	32	
S	172.0			14	17	19	22	25	28	30	33	
T	169.0		12	15	18	20	23	26	29	31	34	
A	166.0	10	13	16	19	21	24	27	30	32	35	STANDARD ERR EST. 5.4
T	163.0	11	14	17	20	22	25	28	31	33		
U	160.0	10	12	15	18	21	23	26	29	32	34	
R	157.0	11	13	16	19	22	24	27	30	33		
E	154.0	12	14	17	20	23	26	28	31			VALUES IN MM
	151.0	13	16	18	21	24	27	29				
	148.0	14	17	19	22	25	28					

ESTIMATES OF MEDIAL CALF SKINFOLD											NO. 6	
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
.....												
	178.0					14	15	17	18	19	21	MULTIPLE
	175.0				13	15	16	17	19	20	21	CORRELA-
S	172.0			13	14	15	17	18	19	21	22	TION
T	169.0		12	13	15	16	17	19	20	21	23	.417
A	166.0	11	13	14	15	17	18	19	21	22	23	
T	163.0	12	13	15	16	17	19	20	21	23		STANDARD
U	160.0	11	12	14	15	17	18	19	21	22	23	ERR EST.
R	157.0	12	13	14	16	17	18	20	21	23		4.7
E	154.0	12	14	15	16	18	19	20	22			
	151.0	13	14	16	17	18	20	21				VALUES
	148.0	14	15	16	18	19	20					IN MM

ESTIMATES OF STATURE, MAXIMUM												NO. 8
HEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
.....												
	178.0					1786	1787	1787	1787	1787	1787	MULTIPLE CORRELA- TION .998
	175.0				1756	1757	1757	1757	1757	1757	1757	
S	172.0			1726	1726	1727	1727	1727	1727	1727	1727	
T	169.0		1696	1696	1696	1697	1697	1697	1697	1697	1697	
A	166.0	1666	1666	1666	1666	1667	1667	1667	1667	1667	1667	STANDARD ERR EST. 3.8
T	163.0	1636	1636	1636	1636	1637	1637	1637	1637	1637		
U	160.0	1606	1606	1606	1606	1607	1607	1607	1607	1607		
R	157.0	1576	1576	1576	1576	1577	1577	1577	1577			
E	154.0	1546	1546	1546	1546	1547	1547	1547				VALUES IN MM
	151.0	1516	1516	1516	1516	1517	1517					
	148.0	1486	1486	1486	1486	1487						

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN POUNDS + STATURE IN INCHES---

ESTIMATES OF SUPRAILIAAC SKINFOLD												NO. 5
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
.....												
S T A T U R E	68.0					8	9	10	12	13	14	MULTIPLE
	67.0				7	8	9	11	12	13	14	CORRELA-
	66.0				6	7	9	10	11	12	15	TION
	65.0			5	6	8	9	10	11	13	15	.634
	64.0		4	6	7	8	9	11	12	13	15	
	63.0		5	6	7	8	10	11	12	13	15	STANDARD
	62.0	4	5	6	8	9	10	11	12	14	15	ERR EST.
	61.0	4	5	7	8	9	10	12	13	14		2.1
	60.0	5	6	7	8	9	11	12	13			
	59.0	5	6	7	9	10	11	12				VALUES
58.0	5	6	8	9	10	11					IN IN/10	

ESTIMATES OF MEDIAL CALF SKINFOLD													NO. 6
WEIGHT		90	100	110	120	130	140	150	160	170	180	190	POUNDS
S T A T U R E	68.0						6	7	7	8	9	9	MULTIPLE
	67.0					6	6	7	8	8	9	9	CORRELA-
	66.0				5	6	7	7	8	8	9	10	TION
	65.0			5	6	6	7	7	8	9	9	10	.417
	64.0		5	5	6	6	7	8	8	9	9	10	STANDARD ERR EST. 1.8
	63.0		5	5	6	7	7	8	8	9	10		
	62.0	4	5	6	6	7	7	8	9	9	10		
	61.0	5	5	6	6	7	8	8	9	9			
	60.0	5	5	6	7	7	8	8	9				
	59.0	5	6	6	7	7	8	9					
58.0	5	6	6	7	8	8						IN IN/10	

ESTIMATES OF STATURE, MAXIMUM												NO. 8	
WEIGHT		90	100	110	120	130	140	150	160	170	180	190	POUNDS
.....													
S T A T U R E	68.0						683	683	683	683	683	683	MULTIPLE
	67.0					673	673	673	673	673	673	673	CORRELA-
	66.0				663	663	663	663	663	663	663	663	TION
	65.0			652	653	653	653	653	653	653	653	653	.998
	64.0		642	642	643	643	643	643	643	643	643	643	STANDARD ERR EST. 1.5
	63.0		632	632	633	633	633	633	633	633	633	633	
	62.0	622	622	622	623	623	623	623	623	623	623	623	
	61.0	612	612	612	613	613	613	613	613	613	613	613	
	60.0	602	602	602	603	603	603	603	603	603			VALUES IN IN/10
	59.0	592	592	592	593	593	593	593					
58.0	582	582	582	583	583	583							

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN KILOGRAMS + STATURE IN CENTIMETERS---

ESTIMATES OF CERVICALE HEIGHT												NO. 9
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
.....												
	178.0					1533	1534	1535	1536	1537	1538	MULTIPLE
	175.0				1506	1507	1508	1509	1509	1510	1511	CORRELA-
S	172.0			1479	1480	1480	1481	1482	1483	1484	1485	TION
T	169.0		1451	1452	1453	1454	1455	1456	1456	1457	1458	.977
A	166.0	1424	1425	1426	1426	1427	1428	1429	1430	1431	1431	
T	163.0	1397	1398	1399	1400	1401	1402	1402	1403	1404		STANDARD
U	160.0	1370	1371	1372	1373	1373	1374	1375	1376	1377	1378	ERR EST.
R	157.0	1344	1344	1345	1346	1347	1348	1349	1349	1350		11.7
E	154.0	1317	1318	1319	1320	1320	1321	1322	1323			
	151.0	1291	1291	1292	1293	1294	1295	1295				VALUES
	148.0	1264	1265	1266	1266	1267	1268					IN MM

ESTIMATES OF ACROMIAL HEIGHT												NO. 10
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
.....												
	178.0					1455	1457	1458	1460	1462	1464	MULTIPLE CORRELA- TION .960
	175.0				1428	1430	1431	1433	1435	1436	1438	
S	172.0			1401	1403	1404	1406	1408	1409	1411	1413	
T	169.0		1374	1375	1377	1379	1381	1382	1384	1386	1387	STANDARD ERR EST. 15.3
A	166.0	1347	1348	1350	1352	1353	1355	1357	1359	1360	1362	
T	163.0	1321	1323	1325	1326	1328	1330	1331	1333	1335		
U	160.0	1294	1296	1298	1299	1301	1303	1304	1306	1308	1309	VALUES IN MM
R	157.0	1269	1270	1272	1274	1276	1277	1279	1281	1282		
E	154.0	1243	1245	1247	1248	1250	1252	1254	1255			
	151.0	1218	1220	1221	1223	1225	1226	1228				
	148.0	1193	1194	1196	1198	1199	1201					

ESTIMATES OF SUPRASTERNALE HEIGHT												NO. 11
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
.....												
	178.0					1454	1456	1457	1459	1460	1461	MULTIPLE CORRELA- TION .974
	175.0				1428	1429	1431	1432	1433	1435	1436	
S	172.0			1402	1403	1404	1406	1407	1408	1410	1411	
T	169.0		1375	1376	1378	1379	1381	1382	1383	1385	1386	STANDARD ERR EST. 12.1
A	166.0	1349	1350	1351	1353	1354	1355	1357	1358	1360	1361	
T	163.0	1324	1325	1326	1328	1329	1330	1332	1333	1334		
U	160.0	1297	1298	1300	1301	1303	1304	1305	1307	1308	1309	VALUES IN MM
R	157.0	1272	1273	1275	1276	1277	1279	1280	1282	1283		
E	154.0	1247	1248	1250	1251	1252	1254	1255	1256			
	151.0	1222	1223	1225	1226	1227	1229	1230				
	148.0	1197	1198	1199	1201	1202	1204					

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN POUNDS + STATURE IN INCHES---

ESTIMATES OF CERVICALE HEIGHT												NO. 9
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
68.0						585	586	586	587	587	587	MULTIPLE CORRELA- TION .977
67.0					576	577	577	577	578	578	578	
S 66.0				567	567	568	568	569	569	569	570	
T 65.0			558	558	559	559	559	560	560	560	561	STANDARD ERR EST. 4.6
A 64.0		549	549	549	550	550	550	551	551	552	552	
T 63.0		540	540	540	541	541	542	542	542	543		
U 62.0	531	531	531	532	532	532	533	533	534	534		VALUES IN IN/10
R 61.0	522	522	522	523	523	524	524	524	525			
E 60.0	513	513	514	514	514	515	515	515				
59.0	504	504	505	505	505	506	506					
58.0	495	496	496	496	497	497						

ESTIMATES OF ACROMIAL HEIGHT												NO. 10
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
68.0						556	556	557	558	559	559	MULTIPLE CORRELA- TION .960
67.0					546	547	548	549	549	550	551	
S 66.0				537	538	539	539	540	541	542	542	
T 65.0			528	529	529	530	531	532	532	533	534	STANDARD ERR EST. 6.0
A 64.0		519	519	520	521	522	522	523	524	525	525	
T 63.0		510	511	512	512	513	514	515	515	516		
U 62.0	501	502	502	503	504	505	505	506	507	508		VALUES IN IN/10
R 61.0	492	493	494	495	495	496	497	498	498			
E 60.0	484	485	485	486	487	488	489	489				
59.0	476	476	477	478	479	479	480					
58.0	467	468	469	469	470	471						

ESTIMATES OF SUPRASTERNAL HEIGHT												NO. 11
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
68.0						555	556	557	557	558	558	MULTIPLE CORRELA- TION .974
67.0					546	547	548	548	549	550	550	
S 66.0				537	538	539	539	540	541	541	542	
T 65.0			529	529	530	530	531	532	532	533	533	STANDARD ERR EST. 4.8
A 64.0		520	520	521	521	522	523	523	524	524	525	
T 63.0		511	512	512	513	514	514	515	515	516		
U 62.0	502	503	503	504	505	505	506	506	507	508		VALUES IN IN/10
R 61.0	494	494	495	496	496	497	498	498	499			
E 60.0	485	486	487	487	488	489	489	490				
59.0	477	478	478	479	480	480	481					
58.0	469	469	470	471	471	472						

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN KILOGRAMS + STATURE IN CENTIMETERS---

ESTIMATES OF BUSTPOINT HEIGHT												NO. 12 KILOS
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	
178.0						1313	1312	1311	1309	1308	1306	MULTIPLE CORRELA- TION .928
175.0					1290	1288	1287	1286	1284	1283	1281	
S 172.0				1266	1265	1264	1262	1261	1259	1258	1257	
T 169.0			1243	1242	1240	1239	1237	1236	1235	1233	1232	STANDARD ERR EST. 19.5
A 166.0		1220	1218	1217	1215	1214	1213	1211	1210	1208	1207	
T 163.0		1195	1193	1192	1190	1189	1188	1186	1185	1183		
U 160.0	1171	1170	1168	1167	1166	1164	1163	1161	1160	1159		VALUES IN MM
R 157.0	1146	1145	1144	1142	1141	1139	1138	1137	1135			
E 154.0	1122	1120	1119	1117	1116	1115	1113	1112				
151.0	1097	1095	1094	1093	1091	1090	1088					
148.0	1072	1070	1069	1068	1066	1065						

ESTIMATES OF WAIST HEIGHT												NO. 13 KILOS
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	
178.0						1111	1111	1112	1112	1112	1113	MULTIPLE CORRELA- TION .914
175.0					1090	1091	1091	1091	1092	1092	1092	
S 172.0				1070	1070	1070	1071	1071	1071	1072	1072	
T 169.0			1049	1049	1050	1050	1050	1051	1051	1051	1052	STANDARD ERR EST. 18.3
A 166.0		1028	1029	1029	1029	1030	1030	1030	1031	1031	1031	
T 163.0		1008	1008	1009	1009	1009	1010	1010	1010	1011		
U 160.0	987	988	988	988	989	989	989	990	990	990		VALUES IN MM
R 157.0	967	967	967	968	968	969	969	969	970			
E 154.0	946	947	947	947	948	948	948	949				
151.0	926	926	927	927	927	928	928					
148.0	906	906	906	907	907	907						

ESTIMATES OF ABDOMINAL EXTENSION HEIGHT												NO. 14 KILOS
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	
178.0						1039	1037	1036	1034	1033	1031	MULTIPLE CORRELA- TION .899
175.0					1020	1018	1017	1015	1014	1012	1011	
S 172.0				1001	999	998	996	995	993	992	990	
T 169.0			982	980	979	977	976	974	973	971	970	STANDARD ERR EST. 19.4
A 166.0		963	961	960	958	957	955	954	952	950	949	
T 163.0		942	941	939	938	936	934	933	931	930		
U 160.0	923	922	920	918	917	915	914	912	911	909		VALUES IN MM
R 157.0	903	901	899	898	896	895	893	892	890			
E 154.0	882	880	879	877	876	874	873	871				
151.0	861	860	858	857	855	854	852					
148.0	841	839	838	836	835	833						

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN POUNDS + STATURE IN INCHES---

ESTIMATES OF BUSTPOINT HEIGHT												NO. 12
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
.....												
	68.0					500	499	498	498	497	496	MULTIPLE
	67.0				492	491	491	490	489	489	488	CORRELA-
S	66.0			484	484	483	482	482	481	481	480	TION
T	65.0		477	476	475	475	474	474	473	472	472	.928
A	64.0	469	468	468	467	467	466	465	465	464	463	
T	63.0	461	460	459	459	458	458	457	456	456		STANDARD
U	62.0	453	452	452	451	450	449	449	448	447		ERR EST.
R	61.0	445	444	444	443	442	442	441	440			7.7
E	60.0	437	436	435	435	434	433	433	432			
	59.0	428	428	427	426	426	425	424				VALUES
	58.0	420	419	419	418	417	417					IN IN/10

ESTIMATES OF WAIST HEIGHT												NO. 13
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
.....												
S T A T U R E	68.0					423	424	424	424	424	424	MULTIPLE CORRELA- TION .914
	67.0				416	417	417	417	417	417	417	
	66.0			409	410	410	410	410	410	410	411	
	65.0			403	403	403	403	403	403	404	404	STANDARD ERR EST. 7.2
	64.0		396	396	396	396	396	397	397	397	397	
	63.0		389	389	389	389	389	390	390	390	390	
	62.0	382	382	382	382	382	383	383	383	383	383	
	61.0	375	375	375	376	376	376	376	376	376		
	60.0	368	368	369	369	369	369	369	369			
59.0	362	362	362	362	362	362	362					
58.0	355	355	355	355	355	355					VALUES IN IN/10	

ESTIMATES OF ABDOMINAL EXTENSION HEIGHT												NO. 14
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
.....												
	68.0					395	394	393	392	392	391	MULTIPLE
	67.0				388	388	387	386	386	385	384	CORRELA-
S	66.0			382	382	381	380	379	379	378	377	TION
T	65.0		376	375	375	374	373	373	372	371	371	.899
A	64.0	370	369	368	368	367	366	366	365	364	364	
T	63.0	363	362	362	361	360	360	359	358	357		STANDARD
U	62.0	357	356	355	355	354	353	353	352	351	351	ERR EST.
R	61.0	350	349	349	348	347	347	346	345	344		7.6
E	60.0	343	342	342	341	340	340	339	338			
	59.0	336	336	335	334	333	333	332				VALUES
	58.0	329	329	328	327	327	326					IN IN/10

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN KILOGRAMS + STATURE IN CENTIMETERS---

ESTIMATES OF TROCHANTERIC HEIGHT											NO. 15	
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
.....												
	178.0					923	923	923	923	923	924	MULTIPLE
	175.0				904	905	905	905	905	905	906	CORRELA-
S	172.0			886	886	887	887	887	887	887	888	TION
T	169.0		868	868	868	868	869	869	869	869	869	.852
A	166.0	850	850	850	850	850	851	851	851	851	851	STANDARD ERR EST. 22.3
T	163.0	832	832	832	832	832	833	833	833	833		
U	160.0	813	813	814	814	814	814	815	815	815		
R	157.0	795	795	796	796	796	796	797	797			VALUES IN MM
E	154.0	777	777	778	778	778	778	779				
	151.0	759	759	759	760	760	760					
	148.0	741	741	741	742	742	742					

ESTIMATES OF BUTTOCK HEIGHT												NO. 16
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
.....												
	178.0					915	915	916	916	917	917	MULTIPLE
	175.0				897	897	898	898	899	899	900	CORRELA-
S	172.0			879	879	880	881	881	882	882	883	TION
T	169.0		861	862	862	863	863	864	864	865	865	.848
A	166.0	843	844	844	845	845	846	846	847	847	848	
T	163.0		826	826	827	828	828	829	829	830		STANDARD
U	160.0	808	808	809	809	810	810	811	812	813		ERR EST.
R	157.0	791	791	792	792	793	793	794	794	795		22.1
E	154.0	773	774	774	775	775	776	776	777			
	151.0	756	756	757	757	758	758	759				VALUES
	148.0	738	739	739	740	740	741					IN MM

ESTIMATES OF GLUTEAL FURROW HEIGHT												NO. 17
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
.....												
	178.0					817	815	813	810	808	806	MULTIPLE
	175.0				802	800	797	795	793	791	789	CORRELA-
S	172.0			786	784	782	780	778	776	773	771	TION
T	169.0		771	769	767	765	763	760	758	756	754	.830
A	166.0		756	754	752	749	747	745	743	741	739	
T	163.0		739	736	734	732	730	728	726	723	721	STANDARD
U	160.0	723	721	719	717	715	712	710	708	706	704	ERR EST.
R	157.0	706	704	702	699	697	695	693	691	688		22.1
E	154.0	688	686	684	682	680	678	675	673			
	151.0	671	669	667	665	662	660	658				VALUES
	148.0	654	651	649	647	645	643					IN MM

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN POUNDS + STATURE IN INCHES---

ESTIMATES OF TROCHANTERIC HEIGHT												NO. 15 POUNDS
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	
68.0						351	351	351	351	351	351	MULTIPLE CORRELA- TION .852
67.0					345	345	345	345	345	345	345	
S 66.0				339	339	339	339	339	339	339	339	
T 65.0			332	333	333	333	333	333	333	333	333	STANDARD ERR EST. 8.8
A 64.0		326	326	327	327	327	327	327	327	327	327	
T 63.0		320	320	320	321	321	321	321	321	321		
U 62.0	314	314	314	314	315	315	315	315	315	315		VALUES IN IN/10
R 61.0	308	308	308	308	309	309	309	309	309			
E 60.0	302	302	302	302	303	303	303	303				
59.0	296	296	296	296	296	297	297					
58.0	290	290	290	290	290	291						

ESTIMATES OF BUTTOCK HEIGHT												NO. 16 POUNDS
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	
68.0						348	348	349	349	349	349	MULTIPLE CORRELA- TION .848
67.0					342	342	343	343	343	343	344	
S 66.0				336	336	337	337	337	337	337	338	
T 65.0			330	330	331	331	331	331	331	332	332	STANDARD ERR EST. 8.7
A 64.0		324	324	325	325	325	325	325	326	326	326	
T 63.0		318	319	319	319	319	319	320	320	320		
U 62.0	312	313	313	313	313	313	314	314	314	314		VALUES IN IN/10
R 61.0	306	307	307	307	307	308	308	308	308			
E 60.0	301	301	301	301	302	302	302	302				
59.0	295	295	295	296	296	296	296					
58.0	289	289	290	290	290	290						

ESTIMATES OF GLUTEAL FURROW HEIGHT												NO. 17 POUNDS
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	
68.0						309	308	307	306	305	304	MULTIPLE CORRELA- TION .830
67.0					304	303	302	301	301	300	299	
S 66.0				300	299	298	297	296	295	294	293	
T 65.0			295	294	293	292	291	290	289	288	287	STANDARD ERR EST. 8.7
A 64.0		290	289	288	287	286	285	284	283	282	281	
T 63.0		284	283	282	281	280	279	278	277	276		
U 62.0	279	278	277	276	275	274	273	272	271	271		VALUES IN IN/10
R 61.0	273	272	272	271	270	269	268	267	266			
E 60.0	268	267	266	265	264	263	262	261				
59.0	262	261	260	259	258	257	256					
58.0	256	255	254	253	252	251						

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN KILOGRAMS + STATURE IN CENTIMETERS---

ESTIMATES OF TIBIALE HEIGHT												NO. 18 KILOS
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	
178.0						470	469	469	469	469	469	MULTIPLE CORRELA- TION .787
175.0					460	460	460	460	460	459	459	
S 172.0				451	451	451	451	450	450	450	450	
T 169.0			442	442	442	441	441	441	441	441	440	STANDARD ERR EST. 14.7
A 166.0		433	432	432	432	432	432	431	431	431	431	
T 163.0		423	423	423	423	422	422	422	422	422		
U 160.0	414	414	414	413	413	413	413	413	412	412		VALUES IN MM
R 157.0	405	404	404	404	404	404	403	403	403			
E 154.0	395	395	395	395	394	394	394	394				
151.0	386	385	385	385	385	385	384					
148.0	376	376	376	376	375	375						

ESTIMATES OF CROTCH HEIGHT												NO. 19 KILOS
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	
178.0						837	836	835	835	834	833	MULTIPLE CORRELA- TION .849
175.0					820	819	819	818	817	817	816	
S 172.0				803	802	802	801	801	800	799	799	
T 169.0			786	786	785	784	784	783	782	782	781	STANDARD ERR EST. 21.3
A 166.0		770	769	768	768	767	766	766	765	764	764	
T 163.0		752	751	751	750	750	749	748	748	747		
U 160.0	735	735	734	733	733	732	731	731	730	730		VALUES IN MM
R 157.0	718	717	717	716	715	715	714	713	713			
E 154.0	701	700	699	699	698	697	697	696				
151.0	683	682	682	681	681	680	679					
148.0	666	665	664	664	663	662						

ESTIMATES OF ANKLE HEIGHT												NO. 20 KILOS
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	
178.0						123	123	123	123	123	123	MULTIPLE CORRELA- TION .306
175.0					121	121	121	121	121	121	121	
S 172.0				119	119	119	119	119	119	119	118	
T 169.0			117	117	117	117	117	117	116	116	116	STANDARD ERR EST. 12.9
A 166.0		115	115	115	115	115	114	114	114	114	114	
T 163.0		113	113	113	112	112	112	112	112	112		
U 160.0	111	111	110	110	110	110	110	110	110	110		VALUES IN MM
R 157.0	109	108	108	108	108	108	108	108	108			
E 154.0	106	106	106	106	106	106	106	106				
151.0	104	104	104	104	104	104	104					
148.0	102	102	102	102	102	102						

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN POUNDS + STATURE IN INCHES---

ESTIMATES OF TIBIALE HEIGHT												NO. 18 POUNDS
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	
68.0						178	178	178	178	178	178	MULTIPLE CORRELA- TION .787
67.0					175	175	175	175	175	175	175	
S 66.0				172	172	172	172	172	172	172	172	
T 65.0			169	169	169	169	169	169	169	169	168	STANDARD ERR EST. 5.8
A 64.0		166	166	166	166	166	166	166	165	165	165	
T 63.0		163	163	163	163	163	163	162	162	162		
U 62.0	160	160	160	160	160	159	159	159	159	159		VALUES IN IN/10
R 61.0	157	157	157	156	156	156	156	156	156			
E 60.0	154	154	153	153	153	153	153	153				
59.0	150	150	150	150	150	150						
58.0	147	147	147	147	147	147						

ESTIMATES OF CROTCH HEIGHT												NO. 19 POUNDS
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	
68.0						317	317	317	316	316	316	MULTIPLE CORRELA- TION .849
67.0					312	311	311	311	311	310	310	
S 66.0				306	306	306	305	305	305	304	304	
T 65.0			301	300	300	300	300	299	299	299	298	STANDARD ERR EST. 8.4
A 64.0		295	295	295	294	294	294	293	293	293	293	
T 63.0		289	289	289	288	288	288	288	287	287		
U 62.0	284	284	283	283	283	282	282	282	282	281		VALUES IN IN/10
R 61.0	278	278	277	277	277	277	276	276	276			
E 60.0	272	272	272	271	271	271	270	270				
59.0	266	266	266	266	265	265	265					
58.0	261	260	260	260	259	259						

ESTIMATES OF ANKLE HEIGHT												NO. 20 POUNDS
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	
68.0						47	47	47	47	47	47	MULTIPLE CORRELA- TION .386
67.0					46	46	46	46	46	46	46	
S 66.0				46	46	46	46	45	45	45	45	
T 65.0			45	45	45	45	45	45	45	45	45	STANDARD ERR EST. 5.1
A 64.0		44	44	44	44	44	44	44	44	44	44	
T 63.0		44	44	43	43	43	43	43	43	43		
U 62.0	43	43	43	43	43	43	43	43	43	43		VALUES IN IN/10
R 61.0	42	42	42	42	42	42	42	42	42			
E 60.0	41	41	41	41	41	41	41	41				
59.0	41	41	41	41	41	41						
58.0	40	40	40	40	40	40						

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN KILOGRAMS + STATURE IN CENTIMETERS---

ESTIMATES OF LATERAL MALLEOLUS HEIGHT												NO. 21 KILOS
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	
178.0						74	74	74	74	75	75	MULTIPLE CORRELA- TION .426
175.0					73	73	73	73	73	73	73	
S 172.0				72	72	72	72	72	72	72	72	
T 169.0			70	70	71	71	71	71	71	71	71	STANDARD ERR EST. 5.3
A 166.0		69	69	69	69	69	69	70	70	70	70	
T 163.0		68	68	68	68	68	68	68	68	69		
U 160.0	67	67	67	67	67	67	67	67	67	67		VALUES IN MM
R 157.0	65	65	66	66	66	66	66	66	66			
E 154.0	64	64	64	64	64	65	65	65				
151.0	63	63	63	63	63	63	63					
148.0	62	62	62	62	62	62						

ESTIMATES OF SITTING HEIGHT, RELAXED												NO. 22 KILOS
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	
178.0						909	910	911	911	912	913	MULTIPLE CORRELA- TION .783
175.0					896	897	897	898	899	900	901	
S 172.0				883	883	884	885	886	887	888	888	
T 169.0			869	870	871	872	873	874	874	875	876	STANDARD ERR EST. 20.2
A 166.0		856	857	858	859	860	861	861	862	863	864	
T 163.0		844	845	846	847	847	848	849	850	851		
U 160.0	831	832	833	833	834	835	836	837	838	838		VALUES IN MM
R 157.0	819	819	820	821	822	823	824	824	825			
E 154.0	806	807	808	809	810	810	811	812				
151.0	794	795	796	797	797	798	799					
148.0	782	783	783	784	785	786						

ESTIMATES OF SITTING HEIGHT												NO. 23 KILOS
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	
178.0						921	922	924	925	926	928	MULTIPLE CORRELA- TION .803
175.0					908	909	910	912	913	914	916	
S 172.0				894	896	897	898	900	901	902	904	
T 169.0			881	882	884	885	886	888	889	890	892	STANDARD ERR EST. 18.9
A 166.0		868	869	870	872	873	874	876	877	878	880	
T 163.0		856	857	858	860	861	862	864	865	866		
U 160.0	842	844	845	846	848	849	850	852	853	854		VALUES IN MM
R 157.0	830	832	833	834	836	837	838	840	841			
E 154.0	818	820	821	822	824	825	826	828				
151.0	806	808	809	810	812	813	814					
148.0	794	796	797	798	800	801						

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN POUNDS + STATURE IN INCHES---

ESTIMATES OF LATERAL MALLEOLUS HEIGHT												NO. 21 POUNDS
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	
68.0						28	28	28	29	29	29	MULTIPLE CORRELA- TION .426
67.0					28	28	28	28	28	28	28	
S 66.0				28	28	28	28	28	28	28	28	
T 65.0			27	27	27	27	27	27	27	27	27	STANDARD ERR EST. 2.1
A 64.0		27	27	27	27	27	27	27	27	27	27	
T 63.0		26	26	26	26	26	26	26	27	27		
U 62.0	26	26	26	26	26	26	26	26	26	26		VALUES IN IN/10
R 61.0	25	25	25	26	26	26	26	26	26			
E 60.0	25	25	25	25	25	25	25	25				
59.0	25	25	25	25	25	25	25					
58.0	24	24	24	24	24	24						

ESTIMATES OF SITTING HEIGHT, RELAXED												NO. 22 POUNDS
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	
68.0						349	350	350	351	351	351	MULTIPLE CORRELA- TION .783
67.0					345	345	346	346	346	347	347	
S 66.0				340	341	341	342	342	342	343	343	
T 65.0			336	336	337	337	337	338	338	339	339	STANDARD ERR EST. 8.0
A 64.0		332	332	332	333	333	333	334	334	335	335	
T 63.0		327	328	328	329	329	329	330	330	330		
U 62.0	323	323	324	324	324	325	325	326	326	326		VALUES IN IN/10
R 61.0	319	319	320	320	320	321	321	321	322			
E 60.0	315	315	316	316	316	317	317	317				
59.0	311	311	311	312	312	313	313					
58.0	307	307	307	308	308	308						

ESTIMATES OF SITTING HEIGHT												NO. 23 POUNDS
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	
68.0						355	355	356	356	357	357	MULTIPLE CORRELA- TION .803
67.0					350	351	351	352	352	353	353	
S 66.0				345	346	346	347	348	348	349	349	
T 65.0			341	341	342	342	343	344	344	345	345	STANDARD ERR EST. 7.4
A 64.0		336	337	337	338	338	339	340	340	341	341	
T 63.0		332	333	333	334	334	335	336	336	337		
U 62.0	328	328	329	329	330	330	331	332	332	333		VALUES IN IN/10
R 61.0	324	324	325	325	326	326	327	328	328			
E 60.0	320	320	321	321	322	322	323	324				
59.0	316	316	317	317	318	318	319					
58.0	312	312	313	313	314	314						

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN KILOGRAMS + STATURE IN CENTIMETERS---

ESTIMATES OF EYE HEIGHT, SITTING												NO. 24
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
.....												
	178.0					795	796	797	799	800	801	MULTIPLE
	175.0				783	784	785	787	788	789	790	CORRELA-
S	172.0			771	772	773	775	776	777	779	780	TION
T	169.0		759	760	762	763	764	765	767	768	769	.740
A	166.0	747	748	750	751	752	753	755	756	757	758	
T	163.0	737	738	739	740	742	743	744	745	747		STANDARD
U	160.0	725	726	727	728	730	731	732	733	735	736	ERR EST.
R	157.0	714	715	717	718	719	720	722	723	724		20.6
E	154.0	703	705	706	707	708	710	711	712			
	151.0	693	694	695	697	698	699	700				VALUES
	148.0	682	683	685	686	687	688					IN MM

ESTIMATES OF MIDSHOULDER HEIGHT, SITTING											NO. 25	
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
.....												
	178.0					627	629	631	634	636	638	MULTIPLE
	175.0				616	618	621	623	625	628	630	CORRELA-
S	172.0			605	608	610	612	615	617	619	622	TION
T	169.0		595	597	599	602	604	606	609	611	613	.729
A	166.0	584	586	589	591	593	596	598	600	602	605	STANDARD ERR EST. 18.2
T	163.0	576	578	580	583	585	587	590	592	594		
U	160.0	565	567	570	572	574	577	579	581	583	586	
R	157.0	557	559	561	564	566	568	571	573	575		VALUES IN MM
E	154.0	548	551	553	555	558	560	562	564			
	151.0	540	542	545	547	549	551	554				
	148.0	532	534	536	539	541	543					

ESTIMATES OF WAIST HEIGHT, SITTING												NO. 26
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
.....												
178.0						249	251	253	255	258	260	MULTIPLE
175.0					244	246	249	251	253	255	257	CORRELA-
S 172.0				240	242	244	246	248	251	253	255	TION
T 169.0			235	237	239	242	244	246	248	250	253	.452
A 166.0		230	233	235	237	239	241	244	246	248	250	
T 163.0		228	230	232	235	237	239	241	243	246		STANDARD
U 160.0	223	226	228	230	232	234	237	239	241	243		ERR EST.
R 157.0	221	223	225	228	230	232	234	236	239			15.5
E 154.0	219	221	223	225	227	230	232	234				
151.0	216	218	221	223	225	227	229					VALUES
148.0	214	216	218	220	223	225						IN MM

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN POUNDS + STATURE IN INCHES---

ESTIMATES OF EYE HEIGHT, SITTING												NO. 24
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
.....												
	68.0					306	306	307	307	308	309	MULTIPLE
	67.0				302	302	303	303	304	304	305	CORRELA-
S	66.0			298	298	299	299	300	300	301	301	TION
T	65.0		293	294	295	295	296	296	297	297	298	.740
A	64.0	289	290	290	291	292	292	293	293	294	294	
T	63.0	286	286	287	287	288	289	289	290	290		STANDARD
U	62.0	282	282	283	284	284	285	286	286	287		ERR EST.
R	61.0	278	279	279	280	280	281	281	282	283		8.1
E	60.0	275	275	276	276	277	277	278	278			
	59.0	271	272	272	273	273	274	274				VALUES
	58.0	267	268	269	269	270	270					IN IN/10

ESTIMATES OF MIDSHOULDER HEIGHT, SITTING												NO. 25
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
.....												
	68.0					241	242	243	244	245	246	MULTIPLE CORRELA- TION .729
	67.0				238	239	240	241	242	243	244	
S	66.0			234	235	236	237	238	239	240	241	
T	65.0			230	231	232	233	234	235	236	237	238
A	64.0		226	227	228	229	230	231	232	233	234	235
T	63.0		223	224	225	226	227	228	229	230	231	STANDARD ERR EST. 7.2
U	62.0	219	220	222	223	224	225	226	227	228	229	
R	61.0	217	218	219	220	221	222	223	224	225		
E	60.0	214	215	216	217	218	219	220	221			VALUES IN IN/10
	59.0	211	212	213	214	215	216	217				
	58.0	208	209	210	211	212	213					

ESTIMATES OF WAIST HEIGHT, SITTING												NO. 26
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
.....												
	68.0					97	98	99	100	101	102	MULTIPLE
	67.0				95	96	97	98	99	100	101	CORRELA-
S	66.0			93	94	95	96	97	98	99	100	TION
T	65.0		91	92	93	94	95	96	97	98	99	.452
A	64.0	89	90	91	92	93	94	95	96	97	98	
T	63.0	89	90	91	92	93	94	95	96	97		STANDARD
U	62.0	87	88	89	90	91	92	93	94	95	96	ERR EST.
R	61.0	86	87	88	89	90	91	92	93	94		6.1
E	60.0	85	86	87	88	89	90	91	92			
	59.0	84	85	86	87	88	89	90				VALUES
	58.0	84	85	86	87	88	89					IN IN/10

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN KILOGRAMS + STATURE IN CENTIMETERS---

ESTIMATES OF ELBOW REST HEIGHT												NO. 27 KILOS
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	
178.0						239	240	241	242	243	244	MULTIPLE CORRELA- TION .213
175.0					236	237	238	239	240	241	242	
S 172.0				233	234	235	236	237	238	239	240	
T 169.0			230	231	232	233	234	235	236	237	237	STANDARD ERR EST. 24.1
A 166.0		227	228	229	230	231	232	233	234	235	235	
T 163.0		225	226	227	228	229	230	231	232	232		
U 160.0	222	223	224	225	226	227	228	229	230	230		VALUES IN MM
R 157.0	220	221	222	223	224	225	226	227	227			
E 154.0	218	219	220	221	222	223	224	225				
151.0	216	217	218	219	220	221	222					
148.0	214	215	216	217	218	219						

ESTIMATES OF POPLITEAL HEIGHT												NO. 28 KILOS
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	
178.0						447	446	446	446	446	445	MULTIPLE CORRELA- TION .728
175.0					440	440	440	439	439	439	439	
S 172.0				433	433	433	433	432	432	432	432	
T 169.0			427	427	426	426	426	426	425	425	425	STANDARD ERR EST. 12.8
A 166.0		420	420	420	419	419	419	419	418	418	418	
T 163.0		413	413	413	413	412	412	412	412	411		
U 160.0	407	406	406	406	406	405	405	405	405	404		VALUES IN MM
R 157.0	400	399	399	399	399	399	398	398	398			
E 154.0	393	393	392	392	392	392	391	391				
151.0	386	386	385	385	385	385	384					
148.0	379	379	379	378	378	378						

ESTIMATES OF BUTTOCK-POPLITEAL LENGTH												NO. 29 KILOS
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	
178.0						518	522	527	531	536	540	MULTIPLE CORRELA- TION .702
175.0					507	511	516	520	524	529	533	
S 172.0				495	500	504	509	513	518	522	527	
T 169.0			484	489	493	498	502	506	511	515	520	STANDARD ERR EST. 19.7
A 166.0		473	477	482	486	491	495	500	504	509	513	
T 163.0		466	471	475	480	484	488	493	497	502		
U 160.0	455	459	464	468	473	477	482	486	491	495		VALUES IN MM
R 157.0	448	453	457	462	466	470	475	479	484			
E 154.0	441	446	450	455	459	464	468	473				
151.0	435	439	444	448	452	457	461					
148.0	428	432	437	441	446	450						

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN POUNDS + STATURE IN INCHES---

ESTIMATES OF ELBOW REST HEIGHT												NO. 27 POUNDS
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	
68.0						93	93	94	94	94	95	MULTIPLE CORRELA- TION .213
67.0					92	92	93	93	93	94	94	
S 66.0				91	91	91	92	92	93	93	94	
T 65.0			89	90	90	91	91	92	92	92	93	STANDARD ERR EST. 9.5
A 64.0		88	89	89	90	90	90	91	91	92	92	
T 63.0		88	88	89	89	89	90	90	91	91		
U 62.0	87	87	87	88	88	89	89	90	90	90		VALUES IN IN/10
R 61.0	86	86	87	87	88	88	88	89	89			
E 60.0	85	86	86	87	87	87	88	88				
59.0	85	85	85	86	86	87	87					
58.0	84	84	85	85	86	86						

ESTIMATES OF POPLITEAL HEIGHT												NO. 28 POUNDS
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	
68.0						171	171	171	171	171	171	MULTIPLE CORRELA- TION .728
67.0					169	169	169	169	168	168	168	
S 66.0				167	167	166	166	166	166	166	166	
T 65.0			164	164	164	164	164	164	164	164	164	STANDARD ERR EST. 5.0
A 64.0		162	162	162	162	162	162	162	162	161	161	
T 63.0		160	160	160	160	160	159	159	159	159		
U 62.0	158	158	158	158	157	157	157	157	157	157		VALUES IN IN/10
R 61.0	156	155	155	155	155	155	155	155	155			
E 60.0	153	153	153	153	153	153	153	152				
59.0	151	151	151	151	151	150	150					
58.0	149	149	148	148	148	148						

ESTIMATES OF BUTTOCK-POPLITEAL LENGTH												NO. 29 POUNDS
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	
68.0						200	202	204	206	208	210	MULTIPLE CORRELA- TION .702
67.0					196	198	200	202	204	206	208	
S 66.0				191	193	195	197	199	201	203	205	
T 65.0			187	189	191	193	195	197	199	201	203	STANDARD ERR EST. 7.7
A 64.0		183	185	187	189	191	193	195	197	199	201	
T 63.0		181	183	185	187	189	191	193	195	197		
U 62.0	176	178	180	182	184	186	188	190	192	194		VALUES IN IN/10
R 61.0	174	176	178	180	182	184	186	188	190			
E 60.0	172	174	176	178	180	182	184	186				
59.0	170	172	174	176	178	180	182					
58.0	167	169	171	173	175	177						

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN KILOGRAMS + STATURE IN CENTIMETERS---

ESTIMATES OF BUTTOCK-KNEE LENGTH												NO. 30 KILOS
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	
178.0						619	625	630	636	641	647	MULTIPLE CORRELA- TION .839
175.0					606	612	617	623	629	634	640	
S 172.0				593	599	605	610	616	621	627	632	
T 169.0			580	586	592	597	603	608	614	619	625	STANDARD ERR EST. 14.3
A 166.0		568	573	579	584	590	595	601	607	612	618	
T 163.0		560	566	571	577	583	588	594	599	605		
U 160.0	547	553	558	564	570	575	581	586	592	597		VALUES IN MM
R 157.0	540	546	551	557	562	568	573	579	585			
E 154.0	533	538	544	549	555	561	566	572				
151.0	525	531	536	542	548	553	559					
148.0	518	524	529	535	540	546						

ESTIMATES OF ACROMION-RADIALE LENGTH												NO. 31 KILOS
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	
178.0						340	341	342	342	343	344	MULTIPLE CORRELA- TION .728
175.0					334	335	335	336	337	337	338	
S 172.0				328	328	329	330	330	331	332	332	
T 169.0			322	322	323	324	324	325	326	326	327	STANDARD ERR EST. 11.2
A 166.0		315	316	317	317	318	319	319	320	321	321	
T 163.0		310	310	311	312	312	313	314	314	315		
U 160.0	304	304	305	306	306	307	308	308	309	310		VALUES IN MM
R 157.0	298	299	299	300	301	301	302	303	303			
E 154.0	292	293	294	294	295	296	296	297				
151.0	287	288	288	289	290	290	291					
148.0	281	282	283	283	284	285						

ESTIMATES OF RADIALE-STYLION LENGTH												NO. 32 KILOS
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	
178.0						258	258	258	258	259	259	MULTIPLE CORRELA- TION .666
175.0					253	253	253	254	254	254	254	
S 172.0				248	249	249	249	249	249	250	250	
T 169.0			244	244	244	244	245	245	245	245	245	STANDARD ERR EST. 10.2
A 166.0		239	239	239	240	240	240	240	241	241	241	
T 163.0		235	235	235	235	235	236	236	236	236		
U 160.0	230	230	230	231	231	231	231	231	232	232		VALUES IN MM
R 157.0	225	226	226	226	226	227	227	227	227			
E 154.0	221	221	221	222	222	222	222	223				
151.0	217	217	217	217	217	218	218					
148.0	212	212	213	213	213	213						

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN POUNDS + STATURE IN INCHES---

ESTIMATES OF BUTTOCK-KNEE LENGTH												NO. 30 POUNDS
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	
68.0						240	242	244	247	249	252	MULTIPLE CORRELA- TION .839
67.0					235	237	240	242	245	247	250	
S 66.0				230	232	235	237	240	242	245	247	
T 65.0			225	227	230	232	235	237	240	242	245	STANDARD ERR EST. 5.6
A 64.0		220	222	225	227	230	232	235	237	240	242	
T 63.0		217	220	222	225	227	230	232	235	237		
U 62.0	212	215	217	220	222	225	227	230	232	235		VALUES IN IN/10
R 61.0	210	212	215	217	220	222	225	227	230			
E 60.0	208	210	212	215	217	220	222	225				
59.0	205	208	210	213	215	218	220					
58.0	203	205	208	210	213	215						

ESTIMATES OF ACROMION-RADIALE LENGTH												NO. 31 POUNDS
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	
68.0						130	130	131	131	131	132	MULTIPLE CORRELA- TION .728
67.0					128	128	129	129	129	130	130	
S 66.0				126	126	126	127	127	127	128	128	
T 65.0			124	124	124	125	125	125	126	126	126	STANDARD ERR EST. 4.4
A 64.0		122	122	122	122	123	123	123	124	124	124	
T 63.0		120	120	120	121	121	121	122	122	122		
U 62.0	118	118	118	118	119	119	119	120	120	120		VALUES IN IN/10
R 61.0	116	116	116	117	117	117	118	118	118			
E 60.0	114	114	114	115	115	115	116	116				
59.0	112	112	113	113	113	114	114					
58.0	110	110	111	111	111	112						

ESTIMATES OF RADIALE-STYLION LENGTH												NO. 32 POUNDS
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	
68.0						98	98	99	99	99	99	MULTIPLE CORRELA- TION .666
67.0					97	97	97	97	97	97	97	
S 66.0				95	95	95	96	96	96	96	96	
T 65.0			94	94	94	94	94	94	94	94	94	STANDARD ERR EST. 4.0
A 64.0		92	92	92	92	92	93	93	93	93	93	
T 63.0		91	91	91	91	91	91	91	91	91		
U 62.0	89	89	89	89	89	90	90	90	90	90		VALUES IN IN/10
R 61.0	88	88	88	88	88	88	88	88	88			
E 60.0	86	86	86	86	86	87	87	87				
59.0	85	85	85	85	85	85	85					
58.0	83	83	83	83	83	84						

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN KILOGRAMS + STATURE IN CENTIMETERS---

ESTIMATES OF THUMB-TIP REACH											NO. 33	
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILCS
.....												
	178.0					804	806	809	811	814	816	MULTIPLE
	175.0				790	792	795	798	800	803	805	CORRELA-
S	172.0			776	779	781	784	786	789	791	794	TION
T	169.0		762	765	767	770	772	775	778	780	783	.655
A	166.0	748	751	754	756	759	761	764	766	769	771	
T	163.0		737	740	742	745	747	750	753	755	758	STANDARD
U	160.0	723	726	729	731	734	736	739	741	744	746	ERR EST.
R	157.0	712	715	717	720	722	725	727	730	733		29.3
E	154.0	701	704	706	709	711	714	716	719			
	151.0	690	692	695	697	700	702	705				VALUES
	148.0	678	681	684	686	689	691					IN MM

ESTIMATES OF THUMB-TIP REACH, EXTENDED											NO. 34	
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
.....												
	178.0					912	915	919	922	926	929	MULTIPLE
	175.0				895	899	902	906	909	913	916	CORRELA-
S	172.0			879	882	886	889	893	896	900	903	TION
T	169.0		862	865	869	872	876	879	883	886	890	.622
A	166.0	845	849	852	856	859	863	866	870	873	877	
T	163.0	832	836	839	843	846	850	853	857	860		STANDARD
U	160.0	815	819	822	826	829	833	836	840	843	847	ERR EST.
R	157.0	802	806	809	813	816	820	823	827	830		38.2
E	154.0	789	793	796	800	803	807	810	814			
	151.0	776	779	783	786	790	793	797				VALUES
	148.0	763	766	770	773	777	780					IN MM

ESTIMATES OF OVERHEAD REACH												NO. 35
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
.....												
	178.0					2182	2184	2186	2188	2190	2192	MULTIPLE CORRELA- TION .853
	175.0				2145	2147	2149	2151	2153	2155	2157	
S	172.0			2107	2109	2111	2113	2115	2117	2119	2121	
T	169.0		2070	2072	2074	2076	2078	2080	2082	2084	2086	STANDARD ERR EST. 44.7
A	166.0	2033	2034	2036	2038	2040	2042	2044	2046	2048	2050	
T	163.0	1997	1999	2001	2003	2005	2007	2009	2011	2013		
U	160.0	1960	1962	1964	1966	1968	1970	1972	1974	1976	1977	VALUES IN MM
R	157.0	1924	1926	1928	1930	1932	1934	1936	1938	1940		
E	154.0	1889	1891	1893	1895	1897	1899	1901	1903			
	151.0	1853	1855	1857	1859	1861	1863	1865				
	148.0	1818	1820	1822	1824	1826	1828					

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN POUNDS + STATURE IN INCHES---

ESTIMATES OF THUMB-TIP REACH												NO. 33 POUNDS
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	
68.0						309	310	311	312	314	315	MULTIPLE CORRELA- TION .655
67.0					304	305	306	308	309	310	311	
S 66.0				299	300	301	303	304	305	306	307	
T 65.0			294	295	297	298	299	300	301	302	303	STANDARD ERR EST. 11.5
A 64.0		289	291	292	293	294	295	296	297	299	300	
T 63.0		286	287	288	289	290	291	293	294	295		
U 62.0	281	282	283	284	285	286	288	289	290	291		VALUES IN IN/10
R 61.0	277	278	279	280	282	283	284	285	286			
E 60.0	273	274	276	277	278	279	280	281				
59.0	270	271	272	273	274	275	276					
58.0	266	267	268	269	270	272						

ESTIMATES OF THUMB-TIP REACH, EXTENDED												NO. 34 POUNDS
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	
68.0						350	352	354	355	357	358	MULTIPLE CORRELA- TION .622
67.0					344	346	348	349	351	352	354	
S 66.0				338	340	342	343	345	346	348	349	
T 65.0			333	334	336	337	339	340	342	343	345	STANDARD ERR EST. 15.0
A 64.0		327	328	330	331	333	334	336	338	339	341	
T 63.0		322	324	325	327	328	330	332	333	335		
U 62.0	316	318	319	321	323	324	326	327	329	330		VALUES IN IN/10
R 61.0	312	313	315	317	318	320	321	323	324			
E 60.0	308	309	311	312	314	315	317	318				
59.0	303	305	306	308	309	311	312					
58.0	299	300	302	303	305	307						

ESTIMATES OF OVERHEAD REACH												NO. 35 POUNDS
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	
68.0						835	836	837	838	838	839	MULTIPLE CORRELA- TION .853
67.0					822	823	824	825	826	827	827	
S 66.0				809	810	811	812	813	814	815	816	
T 65.0			797	798	799	799	800	801	802	803	804	STANDARD ERR EST. 17.6
A 64.0		784	785	786	787	788	789	789	790	791	792	
T 63.0		772	773	774	775	776	777	778	778	779		
U 62.0	760	760	761	762	763	764	765	766	767	768		VALUES IN IN/10
R 61.0	748	749	750	750	751	752	753	754	755			
E 60.0	736	737	738	739	739	740	741	742				
59.0	724	725	726	727	728	729	729					
58.0	712	713	714	715	716	717						

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN KILOGRAMS + STATURE IN CENTIMETERS---

ESTIMATES OF NECK CIRCUMFERENCE												NO. 36
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
.....												
	178.0					344	349	354	359	364	369	MULTIPLE
	175.0				338	344	349	354	359	364	369	CORRELA-
S	172.0			333	338	343	349	354	359	364	369	TION
T	169.0		328	333	338	343	348	354	359	364	369	.582
A	166.0	323	328	333	338	343	348	353	359	364	369	STANDARD ERR EST. 13.6
T	163.0	323	328	333	338	343	348	353	358	364		
U	160.0	317	322	328	333	338	343	348	353	358	364	
R	157.0	317	322	327	333	338	343	348	353	358		
E	154.0	317	322	327	333	338	343	348	353			VALUES IN MM
	151.0	317	322	327	332	338	343	348				
	148.0	317	322	327	332	337	343					

ESTIMATES OF SHOULDER CIRCUMFERENCE												NO. 37	
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS	
.....													
	178.0					1010	1035	1060	1086	1111	1136	MULTIPLE CORRELA- TION .845	
	175.0				989	1014	1039	1064	1090	1115	1140		
S	172.0			968	993	1018	1043	1068	1093	1119	1144		
T	169.0		947	972	997	1022	1047	1072	1097	1123	1148		
A	166.0		926	951	976	1001	1026	1051	1076	1101	1127	1152	STANDARD ERR EST. 27.5
T	163.0		930	955	980	1005	1030	1055	1080	1105	1131		
U	160.0	909	934	959	984	1009	1034	1059	1084	1109	1135		
R	157.0	913	938	963	988	1013	1038	1063	1088	1113			
E	154.0	917	942	967	992	1017	1042	1067	1092			VALUES IN MM	
	151.0	921	946	971	996	1021	1046	1071					
	148.0	925	950	975	1000	1025	1050						

ESTIMATES OF CHEST CIRCUMFERENCE AT SCYE												NO. 38
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
.....												
	178.0					843	867	891	915	939	963	MULTIPLE
	175.0				824	848	872	896	920	944	968	CORRELA-
S	172.0			805	829	853	877	901	925	948	972	TION
T	169.0		786	810	834	858	881	905	929	953	977	.819
A	166.0	767	791	814	838	862	886	910	934	958	982	
T	163.0	771	795	819	843	867	891	915	939	963		STANDARD
U	160.0	752	776	800	824	848	872	896	919	943	967	ERR EST.
R	157.0	757	781	805	829	853	876	900	924	948		28.5
E	154.0	762	786	809	833	857	881	905	929			
	151.0	766	790	814	838	862	886	910				VALUES
	148.0	771	795	819	843	867	891					IN MM

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN POUNDS + STATURE IN INCHES---

ESTIMATES OF NECK CIRCUMFERENCE												NO. 36
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
.....												
	68.0					136	138	141	143	145	147	MULTIPLE
	67.0				134	136	138	141	143	145	147	CORRELA-
S	66.0			131	134	136	138	140	143	145	147	TION
T	65.0		129	131	134	136	138	140	143	145	147	.582
A	64.0	127	129	131	134	136	138	140	143	145	147	
T	63.0	127	129	131	134	136	138	140	143	145		STANDARD
U	62.0	124	127	129	131	133	136	138	140	143	145	ERR EST.
R	61.0	124	127	129	131	133	136	138	140	143		5.4
E	60.0	124	127	129	131	133	136	138	140			
	59.0	124	126	129	131	133	136	138				VALUES
	58.0	124	126	129	131	133	136					IN IN/10

ESTIMATES OF SHOULDER CIRCUMFERENCE												NO. 37
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
.....												
	68.0					404	415	427	438	449	460	MULTIPLE
	67.0				394	406	417	428	439	450	462	CORRELA-
S	66.0			384	396	407	418	429	440	452	463	TION
T	65.0		375	386	397	408	419	431	442	453	464	.845
A	64.0	365	376	387	398	410	421	432	443	454	466	
T	63.0	366	377	388	400	411	422	433	444	456		STANDARD
U	62.0	356	367	379	390	412	423	435	446	457		ERR EST.
R	61.0	357	369	380	391	413	425	436	447			10.8
E	60.0	359	370	381	392	404	415	426	437			
	59.0	360	371	383	394	405	416	427				VALUES
	58.0	361	373	384	395	406	417					IN IN/10

ESTIMATES OF CHEST CIRCUMFERENCE AT SCYE												NO. 38
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
.....												
	68.0					339	350	360	371	382	392	MULTIPLE
	67.0				330	340	351	362	372	383	394	CORRELA-
S	66.0			321	331	342	353	363	374	385	395	TION
T	65.0		312	322	333	344	354	365	376	386	397	.819
A	64.0	302	313	324	334	345	356	366	377	388	398	
T	63.0	304	315	325	336	347	357	368	379	389		STANDARD
U	62.0	295	306	316	327	338	348	359	370	380	391	ERR EST.
R	61.0	297	307	318	329	339	350	361	371	382		11.2
E	60.0	298	309	319	330	341	351	362	373			
	59.0	300	310	321	332	342	353	364				VALUES
	58.0	301	312	323	333	344	355					IN IN/10

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN KILOGRAMS + STATURE IN CENTIMETERS---

ESTIMATES OF BUST CIRCUMFERENCE												NO. 39
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
.....												
	178.0					892	920	948	976	1004	1032	MULTIPLE CORRELA- TION .824
	175.0				871	899	927	955	983	1011	1039	
S	172.0			849	877	906	934	962	990	1018	1046	
T	169.0		828	856	884	912	940	968	996	1025	1053	STANDARD ERR EST. 32.3
A	166.0	807	835	863	891	919	947	975	1003	1031	1059	
T	163.0	813	841	870	898	926	954	982	1010	1038		
U	160.0	792	820	848	876	904	932	960	989	1017	1045	VALUES IN MM
R	157.0	799	827	855	883	911	939	967	995	1023		
E	154.0	805	834	862	890	918	946	974	1002			
	151.0	812	840	868	896	924	953	981				
	148.0	819	847	875	903	931	959					

ESTIMATES OF CHEST CIRCUMFERENCE BELOW BUST												NO. 40
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
.....												
	178.0					744	767	790	813	836	860	MULTIPLE CORRELA- TION .806
	175.0				726	749	772	795	818	841	864	
S	172.0			707	730	753	776	799	822	845	869	
T	169.0		689	712	735	758	781	804	827	850	873	STANDARD ERR EST. 28.8
A	166.0	670	693	716	739	762	785	808	831	854	878	
T	163.0	675	698	721	744	767	790	813	836	859		
U	160.0	656	679	702	725	748	771	794	817	840	864	VALUES IN MM
R	157.0	661	684	707	730	753	776	799	822	845		
E	154.0	665	688	711	734	757	780	803	826			
	151.0	670	693	716	739	762	785	808				
	148.0	674	697	720	743	766	789					

ESTIMATES OF WAIST CIRCUMFERENCE												NO. 41
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
.....												
178.0						669	697	724	752	779	807	MULTIPLE
175.0					648	676	703	731	758	786	813	CORRELA-
S 172.0				627	654	682	709	737	764	792	819	TION
T 169.0			605	633	660	688	715	743	770	798	825	.846
A 166.0		584	611	639	666	694	721	749	776	804	831	
T 163.0		590	617	645	673	700	728	755	783	810		STANDARD
U 160.0	569	596	624	651	679	706	734	761	789	816		ERR EST.
R 157.0	575	602	630	657	685	712	740	767	795			29.2
E 154.0	581	608	636	663	691	718	746	773				
151.0	587	614	642	670	697	725	752					VALUES
148.0	593	621	648	676	703	731						IN MM

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN POUNDS + STATURE IN INCHES---

ESTIMATES OF BUST CIRCUMFERENCE												NO. 39
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
68.0						360	373	385	398	410	423	MULTIPLE CORRELA- TION .824
67.0					350	362	375	387	400	412	425	
S 66.0				339	352	364	377	390	402	415	427	
T 65.0			329	342	354	367	379	392	404	417	429	STANDARD ERR EST. 12.7
A 64.0		319	331	344	356	369	382	394	407	419	432	
T 63.0		321	334	346	359	371	384	396	409	421		
U 62.0	311	323	336	348	361	373	386	399	411	424		VALUES IN IN/10
R 61.0	313	326	338	351	363	376	388	401	413			
E 60.0	315	328	340	353	365	378	390	403				
59.0	318	330	343	355	368	380	393					
58.0	320	332	345	357	370	382						

ESTIMATES OF CHEST CIRCUMFERENCE BELOW BUST												NO. 40
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
68.0						300	310	320	330	341	351	MULTIPLE CORRELA- TION .806
67.0					291	301	311	322	332	342	352	
S 66.0				282	292	303	313	323	333	344	354	
T 65.0			273	284	294	304	314	325	335	345	355	STANDARD ERR EST. 11.4
A 64.0		264	275	285	295	306	316	326	336	347	357	
T 63.0		266	276	287	297	307	317	328	338	348		
U 62.0	257	267	278	288	298	309	319	329	339	350		VALUES IN IN/10
R 61.0	259	269	279	290	300	310	320	331	341			
E 60.0	260	270	281	291	301	312	322	332				
59.0	262	272	282	293	303	313	323					
58.0	263	273	284	294	304	315						

ESTIMATES OF WAIST CIRCUMFERENCE												NO. 41
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
68.0						272	284	296	309	321	333	MULTIPLE CORRELA- TION .846
67.0					262	274	286	298	311	323	335	
S 66.0				251	264	276	288	301	313	325	337	
T 65.0			241	253	266	278	290	303	315	327	339	STANDARD ERR EST. 11.5
A 64.0		231	243	255	268	280	292	305	317	329	341	
T 63.0		233	245	257	270	282	294	307	319	331		
U 62.0	223	235	247	260	272	284	296	309	321	333		VALUES IN IN/10
R 61.0	225	237	249	262	274	286	298	311	323			
E 60.0	227	239	251	264	276	288	300	313				
59.0	229	241	253	266	278	290	303					
58.0	231	243	255	268	280	292						

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN KILOGRAMS + STATURE IN CENTIMETERS---

ESTIMATES OF ABDOMINAL EXTENSION CIRCUMFERENCE												NO. 42
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
.....												
	178.0					848	883	919	955	991	1027	MULTIPLE
	175.0				821	857	892	928	964	1000	1036	CORRELA-
S	172.0			794	830	866	901	937	973	1009	1045	TION
T	169.0		767	803	839	875	910	946	982	1018	1054	.821
A	166.0	740	776	812	848	884	920	955	991	1027	1063	
T	163.0		749	785	821	857	893	929	964	1000	1036	STANDARD
U	160.0	722	758	794	830	866	902	938	973	1009	1045	ERR EST.
R	157.0	731	767	803	839	875	911	947	982	1018		41.5
E	154.0	740	776	812	848	884	920	956	991			
	151.0	749	785	821	857	893	929	965				VALUES
	148.0	758	794	830	866	902	938					IN MM

ESTIMATES OF HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL											NO. 43	
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
.....												
178.0						943	972	1002	1031	1060	1089	MULTIPLE CORRELA- TION .903
175.0					919	948	977	1006	1035	1065	1094	
S 172.0				894	923	953	982	1011	1040	1069	1098	
T 169.0			870	899	928	957	986	1016	1045	1074	1103	STANDARD ERR EST. 24.0
A 166.0		845	874	904	933	962	991	1020	1049	1079	1108	
T 163.0		850	879	908	937	967	996	1025	1054	1083		
U 160.0	825	855	884	913	942	971	1000	1030	1059	1088		VALUES IN MM
R 157.0	830	859	888	918	947	976	1005	1034	1063			
E 154.0	835	864	893	922	951	981	1010	1039				
151.0	839	869	898	927	956	985	1014					
148.0	844	873	902	932	961	990						

ESTIMATES OF HIP CIRCUMFERENCE-NINE INCHES BELOW WAIST LEVEL											NO. 44	
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
.....												
178.0						962	993	1024	1055	1086	1117	MULTIPLE CORRELA- TION .895
175.0					935	966	997	1028	1059	1090	1121	
S 172.0				909	940	971	1002	1033	1064	1095	1126	
T 169.0			883	914	945	976	1007	1038	1069	1100	1131	STANDARD ERR EST. 26.8
A 166.0		856	887	918	949	980	1011	1042	1073	1104	1135	
T 163.0		861	892	923	954	985	1016	1047	1078	1109		
U 160.0	835	866	897	928	959	990	1021	1052	1083	1114		VALUES IN MM
R 157.0	839	870	901	932	963	994	1025	1056	1087			
E 154.0	844	875	906	937	968	999	1030	1061				
151.0	849	880	911	942	973	1004	1035					
148.0	853	884	915	946	977	1008						

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN POUNDS + STATURE IN INCHES---

ESTIMATES OF ABDOMINAL EXTENSION CIRCUMFERENCE												NO. 42
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
.....												
	68.0					345	361	377	393	409	425	MULTIPLE CORRELA- TION .821
	67.0				332	348	364	380	396	412	428	
S	66.0			319	335	351	367	383	399	415	431	
T	65.0		306	322	338	354	370	386	402	418	434	
A	64.0	293	309	325	341	357	373	389	405	421	437	
T	63.0		296	312	328	344	360	376	392	408	424	STANDARD ERR EST. 16.4
U	62.0	283	299	315	331	347	363	379	395	411	427	
R	61.0	286	302	318	334	350	366	382	398	414		
E	60.0	289	305	321	337	353	369	385	401			
	59.0	292	308	324	340	356	372	388				
	58.0	295	311	327	343	359	375					VALUES IN IN/10

ESTIMATES OF HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL											NO. 43	
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
.....												
	68.0					379	392	405	418	431	444	MULTIPLE CORRELA- TION .903
	67.0				367	380	393	407	420	433	446	
S	66.0			356	369	382	395	408	421	434	447	
T	65.0		345	358	371	384	397	410	423	436	449	
A	64.0	333	346	359	372	385	398	411	424	437	450	
T	63.0	335	348	361	374	387	400	413	426	439		STANDARD ERR EST. 9.5
U	62.0	323	336	349	362	375	388	401	414	427	440	
R	61.0	325	338	351	364	377	390	403	416	429		
E	60.0	326	339	352	365	378	391	404	417			
	59.0	328	341	354	367	380	393	406				
	58.0	329	342	355	368	381	394					VALUES IN IN/10

ESTIMATES OF HIP CIRCUMFERENCE-NINE INCHES BELOW WAIST LEVEL											NO. 44	
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
.....												
S T A T U R E	68.0					386	400	414	428	442	456	MULTIPLE CORRELA- TION .895
	67.0				374	388	402	416	429	443	457	
	66.0			362	376	390	403	417	431	445	459	
	65.0		350	363	377	391	405	419	433	446	460	
	64.0		337	351	365	379	393	406	420	434	448		462
	63.0		339	353	366	380	394	408	422	436	450	STANDARD ERR EST. 10.6
	62.0	327	340	354	368	382	396	410	423	437	451	
	61.0	328	342	356	370	383	397	411	425	439		
	60.0	330	343	357	371	385	399	413	427			
	59.0	331	345	359	373	387	400	414				
58.0	333	347	360	374	388	402					VALUES IN IN/10	

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN KILOGRAMS + STATURE IN CENTIMETERS---

ESTIMATES OF UPPER THIGH CIRCUMFERENCE											NO. 45	
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
.....												
	178.0					550	572	594	616	638	660	MULTIPLE
	175.0				534	556	577	599	621	643	665	CORRELA-
S	172.0			517	539	561	583	605	627	649	670	TION
T	169.0		500	522	544	566	588	610	632	654	676	.867
A	166.0	484	506	528	550	572	593	615	637	659	681	
T	163.0	489	511	533	555	577	599	621	643	665		STANDARD
U	160.0	473	495	517	538	560	582	604	626	648	670	ERR EST.
R	157.0	478	500	522	544	566	588	609	631	653		21.0
E	154.0	483	505	527	549	571	593	615	637			
	151.0	489	511	533	554	576	598	620				VALUES
	148.0	494	516	538	560	582	604					IN MM

ESTIMATES OF KNEE CIRCUMFERENCE												NO. 46
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
.....												
	178.0					370	380	391	401	411	422	MULTIPLE CORRELA- TION .822
	175.0				360	371	381	391	402	412	422	
S	172.0			351	361	372	382	392	403	413	423	
T	169.0		341	352	362	372	383	393	403	414	424	STANDARD ERR EST. 12.9
A	166.0	332	342	353	363	373	384	394	404	415	425	
T	163.0	333	343	353	364	374	384	395	405	415		
U	160.0	323	333	344	354	364	375	385	395	406	416	VALUES IN MM
R	157.0	324	334	345	355	365	376	386	396	407		
E	154.0	325	335	345	356	366	376	387	397			
	151.0	325	336	346	356	367	377	387				
	148.0	326	337	347	357	368	378					

ESTIMATES OF CALF CIRCUMFERENCE, RIGHT												NO. 47
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
.....												
178.0						343	353	363	373	383	393	MULTIPLE CORRELA- TION .763
175.0					335	345	355	365	375	385	395	
S 172.0				327	337	347	357	367	377	387	396	
T 169.0			319	329	338	348	358	368	378	388	398	STANDARD ERR EST. 14.5
A 166.0		310	320	330	340	350	360	370	380	390	400	
T 163.0		312	322	332	342	352	362	372	382	391		
U 160.0	304	314	324	333	343	353	363	373	383	393		VALUES IN MM
R 157.0	305	315	325	335	345	355	365	375	385			
E 154.0	307	317	327	337	347	357	367	377				
151.0	309	319	328	338	348	358	368					
148.0	310	320	330	340	350	360						

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN POUNDS + STATURE IN INCHES---

ESTIMATES OF UPPER THIGH CIRCUMFERENCE												NO. 45 POUNDS
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	
68.0						224	233	243	253	263	272	MULTIPLE CORRELA- TION .867
67.0					216	225	235	245	255	264	274	
S 66.0				208	217	227	237	247	256	266	276	
T 65.0			200	209	219	229	239	248	258	268	278	STANDARD ERR EST. 8.3
A 64.0		192	201	211	221	231	240	250	260	270	280	
T 63.0		193	203	213	223	232	242	252	262	272		
U 62.0	185	195	205	215	224	234	244	254	264	273		VALUES IN IN/10
R 61.0	187	197	207	216	226	236	246	256	265			
E 60.0	189	199	208	218	228	238	248	257				
59.0	191	200	210	220	230	240	249					
58.0	192	202	212	222	232	241						

ESTIMATES OF KNEE CIRCUMFERENCE												NO. 46 POUNDS
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	
68.0						148	152	157	162	166	171	MULTIPLE CORRELA- TION .822
67.0					143	148	153	157	162	166	171	
S 66.0				139	144	148	153	158	162	167	171	
T 65.0			135	139	144	149	153	158	162	167	172	STANDARD ERR EST. 5.1
A 64.0		130	135	140	144	149	153	158	163	167	172	
T 63.0		131	135	140	144	149	154	158	163	168		
U 62.0	126	131	135	140	145	149	154	159	163	168		VALUES IN IN/10
R 61.0	127	131	136	140	145	150	154	159	163			
E 60.0	127	131	136	141	145	150	154	159				
59.0	127	132	136	141	146	150	155					
58.0	127	132	137	141	146	150						

ESTIMATES OF CALF CIRCUMFERENCE, RIGHT												NO. 47 POUNDS
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	
68.0						138	142	147	151	156	160	MULTIPLE CORRELA- TION .763
67.0					134	138	143	147	152	156	161	
S 66.0				130	134	139	143	148	152	157	161	
T 65.0			126	131	135	139	144	148	153	157	162	STANDARD ERR EST. 5.7
A 64.0		122	127	131	136	140	144	149	153	158	162	
T 63.0		123	127	132	136	141	145	149	154	158		
U 62.0	119	123	128	132	137	141	146	150	154	159		VALUES IN IN/10
R 61.0	120	124	128	133	137	142	146	151	155			
E 60.0	120	124	129	133	138	142	147	151				
59.0	121	125	129	134	138	143	147					
58.0	121	126	130	134	139	143						

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN KILOGRAMS + STATURE IN CENTIMETERS---

ESTIMATES OF CALF CIRCUMFERENCE, LEFT												NO. 48 KILOS
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	
178.0						345	355	365	375	385	395	MULTIPLE CORRELA- TION .756
175.0					336	346	356	366	376	386	396	
S 172.0				328	338	348	358	368	378	388	398	
T 169.0			320	330	340	350	359	369	379	389	399	STANDARD ERR EST. 14.9
A 166.0		311	321	331	341	351	361	371	381	391	401	
T 163.0		313	323	333	343	353	363	373	383	393		
U 160.0	304	314	324	334	344	354	364	374	384	394		VALUES IN MM
R 157.0	306	316	326	336	346	356	366	376	386			
E 154.0	308	317	327	337	347	357	367	377				
151.0	309	319	329	339	349	359	369					
148.0	311	321	331	341	351	360						

ESTIMATES OF ANKLE CIRCUMFERENCE												NO. 49 KILOS
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	
178.0						217	221	225	228	232	236	MULTIPLE CORRELA- TION .593
175.0					213	217	220	224	228	232	236	
S 172.0				208	212	216	220	224	228	232	235	
T 169.0			204	208	212	216	220	224	227	231	235	STANDARD ERR EST. 10.4
A 166.0		200	204	208	212	215	219	223	227	231	235	
T 163.0		200	204	207	211	215	219	223	227	231		
U 160.0	195	199	203	207	211	215	219	222	226	230		VALUES IN MM
R 157.0	195	199	203	207	211	214	218	222	226			
E 154.0	195	199	203	206	210	214	218	222				
151.0	194	198	202	206	210	214	218					
148.0	194	198	202	206	210	213						

ESTIMATES OF VERTICAL TRUNK CIRCUMFERENCE												NO. 50 KILOS
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	
178.0						1620	1644	1667	1690	1714	1737	MULTIPLE CORRELA- TION .822
175.0					1587	1611	1634	1657	1681	1704	1727	
S 172.0				1554	1578	1601	1624	1648	1671	1695	1718	
T 169.0			1521	1545	1568	1592	1615	1638	1662	1685	1708	STANDARD ERR EST. 39.2
A 166.0		1489	1512	1535	1559	1582	1605	1629	1652	1675	1699	
T 163.0		1479	1502	1526	1549	1572	1596	1619	1643	1666		
U 160.0	1446	1469	1493	1516	1540	1563	1586	1610	1633	1656		VALUES IN MM
R 157.0	1437	1460	1483	1507	1530	1553	1577	1600	1623			
E 154.0	1427	1450	1474	1497	1520	1544	1567	1591				
151.0	1417	1441	1464	1487	1511	1534	1558					
148.0	1408	1431	1455	1478	1501	1525						

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN POUNDS + STATURE IN INCHES---

ESTIMATES OF CALF CIRCUMFERENCE, LEFT												NO. 48 POUNDS
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	
68.0						138	143	147	152	156	161	MULTIPLE CORRELA- TION .756
67.0					134	139	143	148	152	157	161	
S 66.0				130	135	139	144	148	153	157	162	
T 65.0			127	131	135	140	144	149	153	158	162	STANDARD ERR EST. 5.9
A 64.0		123	127	132	136	140	145	149	154	158	163	
T 63.0		123	128	132	136	141	145	150	154	159		
U 62.0	119	124	128	133	137	141	146	150	155	159		VALUES IN IN/10
R 61.0	120	124	129	133	138	142	146	151	155			
E 60.0	120	125	129	134	138	142	147	151				
59.0	121	125	130	134	139	143	147					
58.0	121	126	130	135	139	144						

ESTIMATES OF ANKLE CIRCUMFERENCE												NO. 49 POUNDS
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	
68.0						86	87	89	91	93	94	MULTIPLE CORRELA- TION .593
67.0					84	86	87	89	91	92	94	
S 66.0				82	84	85	87	89	91	92	94	
T 65.0			80	82	84	85	87	89	91	92	94	STANDARD ERR EST. 4.1
A 64.0		78	80	82	84	85	87	89	90	92	94	
T 63.0		78	80	82	83	85	87	89	90	92		
U 62.0	76	78	80	82	83	85	87	88	90	92		VALUES IN IN/10
R 61.0	76	78	80	81	83	85	87	88	90			
E 60.0	76	78	80	81	83	85	87	88				
59.0	76	78	79	81	83	85	86					
58.0	76	78	79	81	83	85						

ESTIMATES OF VERTICAL TRUNK CIRCUMFERENCE												NO. 50 POUNDS
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	
68.0						635	645	656	666	676	687	MULTIPLE CORRELA- TION .822
67.0					621	632	642	652	663	673	684	
S 66.0				607	618	628	639	649	660	670	681	
T 65.0			594	604	615	625	636	646	656	667	677	STANDARD ERR EST. 15.4
A 64.0		580	591	601	612	622	632	643	653	664	674	
T 63.0		577	587	598	608	619	629	640	650	661		
U 62.0	563	574	584	595	605	616	626	636	647	657		VALUES IN IN/10
R 61.0	560	571	581	592	602	612	623	633	644			
E 60.0	557	568	578	588	599	609	620	630				
59.0	554	564	575	585	596	606	616					
58.0	551	561	572	582	592	603						

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN KILOGRAMS + STATURE IN CENTIMETERS---

ESTIMATES OF VERTICAL TRUNK CIRCUMFERENCE, SITTING												NO. 51 KILOS
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	
178.0						1590	1608	1626	1645	1663	1681	MULTIPLE CORRELA- TION .811
175.0					1558	1577	1595	1613	1632	1650	1668	
S 172.0				1527	1545	1564	1582	1600	1619	1637	1655	
T 169.0			1496	1514	1532	1551	1569	1587	1605	1624	1642	STANDARD ERR EST. 38.4
A 166.0		1464	1483	1501	1519	1537	1556	1574	1592	1611	1629	
T 163.0		1451	1470	1488	1506	1524	1543	1561	1579	1598		
U 160.0	1420	1438	1456	1475	1493	1511	1530	1548	1566	1585		VALUES IN MM
R 157.0	1407	1425	1443	1462	1480	1498	1517	1535	1553			
E 154.0	1394	1412	1430	1449	1467	1485	1503	1522				
151.0	1381	1399	1417	1435	1454	1472	1490					
148.0	1367	1386	1404	1422	1441	1459						

ESTIMATES OF BUTTOCK CIRCUMFERENCE, SITTING												NO. 52 KILOS
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	
178.0						1012	1043	1075	1107	1139	1170	MULTIPLE CORRELA- TION .912
175.0					984	1016	1048	1079	1111	1143	1175	
S 172.0				957	988	1020	1052	1084	1115	1147	1179	
T 169.0			929	961	993	1025	1056	1088	1120	1151	1183	STANDARD ERR EST. 25.0
A 166.0		902	934	965	997	1029	1061	1092	1124	1156	1187	
T 163.0		906	938	970	1001	1033	1065	1097	1128	1160		
U 160.0	879	910	942	974	1006	1037	1069	1101	1133	1164		VALUES IN MM
R 157.0	883	915	946	978	1010	1042	1073	1105	1137			
E 154.0	887	919	951	982	1014	1046	1078	1109				
151.0	892	923	955	987	1019	1050	1082					
148.0	896	928	959	991	1023	1055						

ESTIMATES OF SCYE CIRCUMFERENCE												NO. 53 KILOS
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	
178.0						378	387	397	407	417	427	MULTIPLE CORRELA- TION .778
175.0					368	378	388	398	408	418	428	
S 172.0				359	369	379	389	399	409	419	429	
T 169.0			350	360	370	380	390	400	410	420	429	STANDARD ERR EST. 14.4
A 166.0		341	351	361	371	381	391	400	410	420	430	
T 163.0		342	352	362	372	381	391	401	411	421		
U 160.0	333	343	353	362	372	382	392	402	412	422		VALUES IN MM
R 157.0	334	343	353	363	373	383	393	403	413			
E 154.0	334	344	354	364	374	384	394	404				
151.0	335	345	355	365	375	385	394					
148.0	336	346	356	366	375	385						

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN POUNDS + STATURE IN INCHES---

ESTIMATES OF VERTICAL TRUNK CIRCUMFERENCE, SITTING												NO. 51	
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS	
.....													
	68.0						620	628	636	644	652	660	MULTIPLE CORRELA- TION .811
	67.0				607	615	623	632	640	648	656		
S	66.0			594	603	611	619	627	635	644	652		
T	65.0		582	590	598	606	615	623	631	639	647		STANDARD ERR EST. 15.1
A	64.0	569	578	586	594	602	610	618	627	635	643		
T	63.0	565	573	581	590	598	606	614	622	630			
U	62.0	553	561	569	577	585	593	602	610	618	626		VALUES IN IN/10
R	61.0	548	556	565	573	581	589	597	605	614			
E	60.0	544	552	560	568	576	585	593	601				
	59.0	539	548	556	564	572	580	588					
	58.0	535	543	551	560	568	576						

ESTIMATES OF BUTTOCK CIRCUMFERENCE, SITTING												NO. 52
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
.....												
	68.0					406	420	434	448	463	477	MULTIPLE
	67.0				393	407	422	436	450	464	478	CORRELA-
S	66.0			380	395	409	423	437	451	465	480	TION
T	65.0		368	382	396	410	424	439	453	467	481	.912
A	64.0	355	369	383	398	412	426	440	454	468	483	
T	63.0	356	371	385	399	413	427	441	456	470		STANDARD
U	62.0	344	358	372	386	400	415	429	443	457	471	ERR EST.
R	61.0	345	359	373	388	402	416	430	444	458		9.8
E	60.0	347	361	375	389	403	417	432	446			
	59.0	348	362	376	390	405	419	433				VALUES
	58.0	349	364	378	392	406	420					IN IN/10

ESTIMATES OF SCYE CIRCUMFERENCE												NO. 53
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
.....												
	68.0					151	155	159	164	168	173	MULTIPLE
	67.0				146	151	155	160	164	169	173	CORRELA-
S	66.0			142	147	151	156	160	164	169	173	TION
T	65.0		138	143	147	151	156	160	165	169	174	.778
A	64.0	134	138	143	147	152	156	161	165	169	174	
T	63.0	134	139	143	148	152	156	161	165	170		STANDARD
U	62.0	130	135	139	143	148	152	157	161	165	170	ERR EST.
R	61.0	130	135	139	144	148	152	157	161	166		5.7
E	60.0	131	135	139	144	148	153	157	162			VALUES
	59.0	131	135	140	144	149	153	157				IN IN/10
	58.0	131	136	140	144	149	153					

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN KILOGRAMS + STATURE IN CENTIMETERS---

ESTIMATES OF AXILLARY ARM CIRCUMFERENCE												NO. 54 KILOS
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	
178.0						265	278	290	302	314	327	MULTIPLE CORRELA- TION .850
175.0					257	270	282	294	306	319	331	
S 172.0				249	262	274	286	298	311	323	335	
T 169.0			241	253	266	278	290	303	315	327	339	
A 166.0		233	245	258	270	282	294	307	319	331	344	STANDARD ERR EST. 12.3
T 163.0		237	250	262	274	286	299	311	323	336		
U 160.0	229	242	254	266	278	291	303	315	327	340		
R 157.0	233	246	258	270	283	295	307	319	332			
E 154.0	238	250	262	275	287	299	311	324				VALUES IN MM
151.0	242	254	266	279	291	303	316					
148.0	246	258	271	283	295	307						

ESTIMATES OF BICEPS CIRCUMFERENCE, RELAXED, RIGHT												NO. 55 KILOS
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	
178.0						245	258	270	282	295	307	MULTIPLE CORRELA- TION .871
175.0					237	250	262	275	287	299	312	
S 172.0				230	242	254	267	279	292	304	316	
T 169.0			222	234	247	259	271	284	296	309	321	
A 166.0		214	226	239	251	264	276	288	301	313	326	STANDARD ERR EST. 11.3
T 163.0		219	231	243	256	268	281	293	305	318		
U 160.0	211	223	236	248	260	273	285	298	310	322		
R 157.0	215	228	240	253	265	277	290	302	315			
E 154.0	220	232	245	257	270	282	294	307				VALUES IN MM
151.0	225	237	249	262	274	287	299					
148.0	229	241	254	266	279	291						

ESTIMATES OF BICEPS CIRCUMFERENCE, FLEXED, RIGHT												NO. 56 KILOS
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	
178.0						259	271	283	296	308	320	MULTIPLE CORRELA- TION .865
175.0					250	263	275	288	300	312	325	
S 172.0				242	255	267	280	292	304	317	329	
T 169.0			234	247	259	271	284	296	309	321	333	
A 166.0		226	239	251	263	276	288	300	313	325	338	STANDARD ERR EST. 11.6
T 163.0		231	243	255	268	280	292	305	317	330		
U 160.0	223	235	247	260	272	284	297	309	321	334		
R 157.0	227	239	252	264	276	289	301	313	326			
E 154.0	231	243	256	268	281	293	305	318				VALUES IN MM
151.0	235	248	260	273	285	297	310					
148.0	240	252	264	277	289	302						

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN POUNDS + STATURE IN INCHES---

ESTIMATES OF AXILLARY ARM CIRCUMFERENCE												NO. 54 POUNDS
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	
68.0						109	115	120	126	131	137	MULTIPLE CORRELA- TION .850
67.0					105	111	116	122	127	133	138	
S 66.0				101	107	112	117	123	128	134	139	
T 65.0			97	102	108	113	119	124	130	135	141	STANDARD ERR EST. 4.9
A 64.0		93	98	104	109	115	120	126	131	137	142	
T 63.0		94	100	105	111	116	122	127	133	138		
U 62.0	90	96	101	107	112	118	123	129	134	140		VALUES IN IN/10
R 61.0	92	97	103	108	114	119	125	130	135			
E 60.0	93	99	104	109	115	120	126	131				
59.0	94	100	105	111	116	122	127					
58.0	96	101	107	112	118	123						

ESTIMATES OF BICEPS CIRCUMFERENCE, RELAXED, RIGHT												NO. 55 POUNDS
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	
68.0						102	107	113	118	124	129	MULTIPLE CORRELA- TION .871
67.0					98	103	109	114	120	125	131	
S 66.0				94	99	105	110	116	121	127	132	
T 65.0			90	95	101	106	112	117	123	128	134	STANDARD ERR EST. 4.4
A 64.0		86	91	97	102	108	113	119	124	130	135	
T 63.0		87	93	98	104	109	115	120	126	131		
U 62.0	83	89	94	100	105	111	116	122	127	133		VALUES IN IN/10
R 61.0	85	90	96	101	107	112	118	123	129			
E 60.0	86	92	97	103	108	114	119	125				
59.0	88	93	99	104	110	115	121					
58.0	89	95	100	106	111	117						

ESTIMATES OF BICEPS CIRCUMFERENCE, FLEXED, RIGHT												NO. 56 POUNDS
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	
68.0						107	112	118	123	129	134	MULTIPLE CORRELA- TION .865
67.0					103	108	114	119	125	130	136	
S 66.0				98	104	109	115	121	126	132	137	
T 65.0			94	100	105	111	116	122	127	133	139	STANDARD ERR EST. 4.6
A 64.0		90	96	101	107	112	118	123	129	134	140	
T 63.0		92	97	103	108	114	119	125	130	136		
U 62.0	88	93	99	104	110	115	121	126	132	137		VALUES IN IN/10
R 61.0	89	95	100	106	111	117	122	128	133			
E 60.0	90	96	102	107	113	118	124	129				
59.0	92	97	103	108	114	120	125					
58.0	93	99	104	110	115	121						

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN KILOGRAMS + STATURE IN CENTIMETERS---

ESTIMATES OF BICEPS CIRCUMFERENCE, RELAXED, LEFT											NO. 57	
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
.....												
	178.0					245	258	271	284	297	310	MULTIPLE CORRELA- TION .878
	175.0				237	250	263	276	289	302	315	
S	172.0			228	241	255	268	281	294	307	320	
T	169.0		220	233	246	260	273	286	299	312	325	STANDARD ERR EST. 11.5
A	166.0	212	225	238	251	264	278	291	304	317	330	
T	163.0	217	230	243	256	269	283	296	309	322		
U	160.0	209	222	235	248	261	274	287	301	314	327	VALUES IN MM
R	157.0	214	227	240	253	266	279	292	305	319		
E	154.0	219	232	245	258	271	284	297	310			
	151.0	223	237	250	263	276	289	302				
	148.0	228	241	255	268	281	294					

ESTIMATES OF BICEPS CIRCUMFERENCE, FLEXED, LEFT												NO. 58
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
.....
178.0						255	268	281	294	306	319	MULTIPLE CORRELA- TION .867
175.0					247	260	273	285	298	311	324	
S 172.0				239	251	264	277	290	303	315	328	
T 169.0			230	243	256	269	282	294	307	320	333	STANDARD ERR EST. 11.9
A 166.0		222	235	248	261	273	286	299	312	324	337	
T 163.0		227	240	252	265	278	291	303	316	329		
U 160.0	219	231	244	257	270	282	295	308	321	333		VALUES IN MM
R 157.0	223	236	249	261	274	287	300	312	325			
E 154.0	228	240	253	266	279	291	304	317				
151.0	232	245	258	270	283	296	309					
148.0	237	249	262	275	288	301						

ESTIMATES OF ELBOW CIRCUMFERENCE, FLEXED											NO. 59	
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
.....												
	178.0					282	287	291	296	301	305	MULTIPLE CORRELA- TION .586
	175.0				276	281	285	290	295	299	304	
S	172.0			270	275	279	284	289	293	298	303	
T	169.0		264	269	273	278	283	287	292	297	301	STANDARD ERR EST. 14.4
A	166.0	258	263	267	272	277	281	286	291	295	300	
T	163.0	257	261	266	271	275	280	285	289	294		
U	160.0	251	255	260	265	269	274	279	283	288	293	VALUES IN MM
R	157.0	249	254	259	263	268	273	277	282	287		
E	154.0	248	253	257	262	267	271	276	281			
	151.0	247	251	256	261	265	270	275				
	148.0	245	250	255	259	264	269					

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN POUNDS + STATURE IN INCHES---

ESTIMATES OF BICEPS CIRCUMFERENCE, RELAXED, LEFT												NO. 57 POUNDS
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	
68.0						102	108	113	119	125	131	MULTIPLE CORRELA- TION .878
67.0					97	103	109	115	121	127	133	
S 66.0				93	99	105	111	117	123	128	134	
T 65.0			89	95	101	107	113	118	124	130	136	STANDARD ERR EST. 4.5
A 64.0		85	91	97	102	108	114	120	126	132	138	
T 63.0		86	92	98	104	110	116	122	128	133		
U 62.0	82	88	94	100	106	112	117	123	129	135		VALUES IN IN/10
R 61.0	84	90	96	101	107	113	119	125	131			
E 60.0	86	91	97	103	109	115	121	127				
59.0	87	93	99	105	111	116	122					
58.0	89	95	101	106	112	118						

ESTIMATES OF BICEPS CIRCUMFERENCE, FLEXED, LEFT												NO. 58 POUNDS
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	
68.0						106	111	117	123	128	134	MULTIPLE CORRELA- TION .867
67.0					101	107	113	118	124	130	136	
S 66.0				97	103	109	114	120	126	131	137	
T 65.0			93	99	104	110	116	121	127	133	139	STANDARD ERR EST. 4.7
A 64.0		89	94	100	106	112	117	123	129	134	140	
T 63.0		90	96	102	107	113	119	124	130	136		
U 62.0	86	92	97	103	109	115	120	126	132	137		VALUES IN IN/10
R 61.0	88	93	99	105	110	116	122	127	133			
E 60.0	89	95	100	106	112	118	123	129				
59.0	91	96	102	108	113	119	125					
58.0	92	98	104	109	115	121						

ESTIMATES OF ELBOW CIRCUMFERENCE, FLEXED												NO. 59 POUNDS
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	
68.0						111	113	115	117	119	121	MULTIPLE CORRELA- TION .586
67.0					108	110	112	114	117	119	121	
S 66.0				106	108	110	112	114	116	118	120	
T 65.0			103	105	107	109	112	114	116	118	120	STANDARD ERR EST. 5.7
A 64.0		101	103	105	107	109	111	113	115	117	119	
T 63.0		100	102	104	106	109	111	113	115	117		
U 62.0	98	100	102	104	106	108	110	112	114	116		VALUES IN IN/10
R 61.0	97	99	101	103	106	108	110	112	114			
E 60.0	97	99	101	103	105	107	109	111				
59.0	96	98	100	103	105	107	109					
58.0	96	98	100	102	104	106						

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN KILOGRAMS + STATURE IN CENTIMETERS---

ESTIMATES OF FOREARM CIRCUMFERENCE, RELAXED												NO. 60
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						236	242	249	255	262	269	MULTIPLE CORRELA- TION .820
175.0					230	237	243	250	257	263	270	
S 172.0				225	231	238	245	251	258	264	271	
T 169.0			219	226	233	239	246	252	259	266	272	
A 166.0		214	221	227	234	240	247	254	260	267	273	STANDARD ERR EST. 7.9
T 163.0		215	222	228	235	242	248	255	261	268		
U 160.0	210	216	223	230	236	243	249	256	262	269		
R 157.0	211	218	224	231	237	244	250	257	264			
E 154.0	212	219	225	232	238	245	252	258				VALUES IN MM
151.0	213	220	226	233	240	246	253					
148.0	214	221	228	234	241	247						

ESTIMATES OF FOREARM CIRCUMFERENCE, FLEXED												NO. 61
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						251	258	265	272	279	286	MULTIPLE CORRELA- TION .790
175.0					245	252	259	266	273	280	287	
S 172.0				240	247	254	260	267	274	281	288	
T 169.0			234	241	248	255	262	269	276	282	289	
A 166.0		228	235	242	249	256	263	270	277	284	291	STANDARD ERR EST. 9.3
T 163.0		229	236	243	250	257	264	271	278	285		
U 160.0	223	230	237	244	251	258	265	272	279	286		
R 157.0	224	231	238	245	252	259	266	273	280			
E 154.0	226	233	240	246	253	260	267	274				VALUES IN MM
151.0	227	234	241	248	255	262	268					
148.0	228	235	242	249	256	263						

ESTIMATES OF WRIST CIRCUMFERENCE												NO. 62
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						155	157	159	161	163	166	MULTIPLE CORRELA- TION .658
175.0					152	154	156	159	161	163	165	
S 172.0				149	152	154	156	158	160	162	164	
T 169.0			147	149	151	153	155	157	160	162	164	
A 166.0		144	146	148	151	153	155	157	159	161	163	STANDARD ERR EST. 5.4
T 163.0		144	146	148	150	152	154	156	159	161		
U 160.0	141	143	145	147	149	152	154	156	158	160		
R 157.0	140	142	145	147	149	151	153	155	157			
E 154.0	140	142	144	146	148	150	153	155				VALUES IN MM
151.0	139	141	144	146	148	150	152					
148.0	139	141	143	145	147	149						

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN POUNDS + STATURE IN INCHES---

ESTIMATES OF FOREARM CIRCUMFERENCE, RELAXED												NO. 60
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
68.0						95	98	100	103	106	109	MULTIPLE CORRELA- TION .820
67.0					92	95	98	101	104	107	110	
S 66.0				89	92	95	98	101	104	107	110	
T 65.0			87	90	93	96	99	102	105	108	110	STANDARD ERR EST. 3.1
A 64.0		84	87	90	93	96	99	102	105	108	111	
T 63.0		85	88	91	94	97	99	102	105	108		
U 62.0	82	85	88	91	94	97	100	103	106	109		VALUES IN IN/10
R 61.0	83	86	88	91	94	97	100	103	106			
E 60.0	83	86	89	92	95	98	101	104				
59.0	83	86	89	92	95	98	101					
58.0	84	87	90	93	96	98						

ESTIMATES OF FOREARM CIRCUMFERENCE, FLEXED												NO. 61
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
68.0						101	104	107	110	113	116	MULTIPLE CORRELA- TION .790
67.0					98	101	104	107	110	114	117	
S 66.0				95	98	101	105	108	111	114	117	
T 65.0			93	96	99	102	105	108	111	114	117	STANDARD ERR EST. 3.7
A 64.0		90	93	96	99	102	105	108	112	115	118	
T 63.0		90	93	96	100	103	106	109	112	115		
U 62.0	87	91	94	97	100	103	106	109	112	115		VALUES IN IN/10
R 61.0	88	91	94	97	100	103	107	110	113			
E 60.0	88	91	94	98	101	104	107	110				
59.0	89	92	95	98	101	104	107					
58.0	89	92	95	98	101	105						

ESTIMATES OF WRIST CIRCUMFERENCE												NO. 62
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
68.0						61	62	63	64	65	66	MULTIPLE CORRELA- TION .658
67.0					60	61	62	63	64	65	65	
S 66.0				59	60	61	61	62	63	64	65	
T 65.0			57	58	59	60	61	62	63	64	65	STANDARD ERR EST. 2.1
A 64.0		56	57	58	59	60	61	62	63	64	65	
T 63.0		56	57	58	59	60	61	62	63	64		
U 62.0	55	56	57	58	59	60	61	62	63	64		VALUES IN IN/10
R 61.0	55	56	57	58	59	60	61	62	62			
E 60.0	55	56	57	58	58	59	60	61				
59.0	54	55	56	57	58	59	60					
58.0	54	55	56	57	58	59						

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN KILOGRAMS + STATURE IN CENTIMETERS---

ESTIMATES OF BIACROMIAL BREADTH												NO. 63
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						373	377	380	383	386	389	MULTIPLE CORRELA- TION .545
175.0					368	371	374	377	380	384	387	
S 172.0				363	366	369	372	375	378	381	384	
T 169.0			358	361	364	367	370	373	376	379	382	STANDARD ERR EST. 13.7
A 166.0		352	355	358	362	365	368	371	374	377	380	
T 163.0		350	353	356	359	362	365	369	372	375		
U 160.0	345	348	351	354	357	360	363	366	369	373		VALUES IN MM
R 157.0	343	346	349	352	355	358	361	364	367			
E 154.0	340	344	347	350	353	356	359	362				
151.0	338	341	344	347	351	354	357					
148.0	336	339	342	345	348	351						

ESTIMATES OF BIDELOID BREADTH												NO. 64
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						420	431	442	453	464	475	MULTIPLE CORRELA- TION .811
175.0					411	422	433	444	455	466	477	
S 172.0				402	413	424	435	446	457	468	479	
T 169.0			393	404	415	426	437	448	459	470	481	STANDARD ERR EST. 13.5
A 166.0		384	395	406	417	428	439	450	461	472	483	
T 163.0		386	397	408	419	430	441	452	463	474		
U 160.0	377	388	399	410	421	432	443	454	465	476		VALUES IN MM
R 157.0	379	390	401	412	423	434	445	456	467			
E 154.0	381	392	403	414	425	436	447	458				
151.0	383	394	405	416	427	438	449					
148.0	385	396	407	418	429	440						

ESTIMATES OF CHEST BREADTH												NO. 65
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						282	290	297	305	313	321	MULTIPLE CORRELA- TION .710
175.0					275	283	291	299	307	314	322	
S 172.0				269	276	284	292	300	308	316	324	
T 169.0			262	270	278	286	293	301	309	317	325	STANDARD ERR EST. 13.5
A 166.0		255	263	271	279	287	295	303	310	318	326	
T 163.0		257	265	272	280	288	296	304	312	320		
U 160.0	250	258	266	274	281	289	297	305	313	321		VALUES IN MM
R 157.0	251	259	267	275	283	291	298	306	314			
E 154.0	253	260	268	276	284	292	300	308				
151.0	254	262	270	277	285	293	301					
148.0	255	263	271	279	287	294						

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN POUNDS + STATURE IN INCHES---

ESTIMATES OF BIACROMIAL BREADTH												NO. 63
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
.....												
	68.0					146	147	149	150	151	153	MULTIPLE
	67.0				144	145	147	148	149	151	152	CORRELA-
S	66.0			142	143	144	146	147	149	150	151	TION
T	65.0		140	141	142	144	145	146	148	149	151	.545
A	64.0	138	139	140	142	143	144	146	147	148	150	
T	63.0	137	138	140	141	142	144	145	146	148		STANDARD
U	62.0	135	136	137	139	140	142	143	144	146	147	ERR EST.
R	61.0	134	135	137	138	139	141	142	144	145		5.4
E	60.0	133	135	136	137	139	140	141	143			
	59.0	132	134	135	137	138	139	141				VALUES
	58.0	132	133	134	136	137	139					IN IN/10

ESTIMATES OF BIDELOID BREADTH												NO. 64
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
.....												
	68.0					168	173	178	183	188	193	MULTIPLE
	67.0				164	169	174	179	184	189	194	CORRELA-
S	66.0			160	165	170	175	179	184	189	194	TION
T	65.0		156	161	165	170	175	180	185	190	195	.811
A	64.0	151	156	161	166	171	176	181	186	191	195	
T	63.0	152	157	162	167	172	177	181	186	191		STANDARD
U	62.0	148	153	158	163	167	172	177	182	187	192	ERR EST.
R	61.0	149	153	158	163	168	173	178	183	188		5.3
E	60.0	149	154	159	164	169	174	179	183			
	59.0	150	155	160	165	169	174	179				VALUES
	58.0	151	155	160	165	170	175					IN IN/10

ESTIMATES OF CHEST BREADTH												NO. 65
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
.....												
	68.0					113	116	120	123	127	131	MULTIPLE CORRELA- TION .710
	67.0				110	113	117	120	124	127	131	
S	66.0			107	110	114	117	121	124	128	131	
T	65.0		104	107	111	114	118	121	125	128	132	
A	64.0	101	104	108	111	115	118	122	125	129	132	
T	63.0		101	105	108	112	115	119	122	126	129	STANDARD ERR EST. 5.3
U	62.0	98	101	105	108	112	116	119	123	126	130	
R	61.0	98	102	105	109	112	116	119	123	126		
E	60.0	99	102	106	109	113	116	120	123			
	59.0	99	103	106	110	113	117	120				
	58.0	100	103	107	110	114	117					VALUES IN IN/10

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN KILOGRAMS + STATURE IN CENTIMETERS---

ESTIMATES OF BUSTPOINT-TO-BUSTPOINT BREADTH												NO. 66 KILOS
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	
178.0						185	191	196	202	207	213	MULTIPLE CORRELA- TION .598
175.0					181	187	192	197	203	208	214	
S 172.0				177	182	188	193	199	204	209	215	
T 169.0			172	178	183	189	194	200	205	210	216	STANDARD ERR EST. 12.4
A 166.0		168	173	179	184	190	195	201	206	212	217	
T 163.0		169	175	180	185	191	196	202	207	213		
U 160.0	165	170	176	181	187	192	197	203	208	214		VALUES IN MM
R 157.0	166	171	177	182	188	193	199	204	209			
E 154.0	167	172	178	183	189	194	200	205				
151.0	168	173	179	184	190	195	201					
148.0	169	175	180	185	191	196						

ESTIMATES OF WAIST BREADTH												NO. 67 KILOS
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	
178.0						245	253	262	270	279	287	MULTIPLE CORRELA- TION .773
175.0					237	246	254	263	271	280	288	
S 172.0				230	238	247	255	264	273	281	290	
T 169.0			222	231	240	248	257	265	274	282	291	STANDARD ERR EST. 12.3
A 166.0		215	224	232	241	249	258	266	275	283	292	
T 163.0		216	225	233	242	250	259	267	276	284		
U 160.0	209	217	226	234	243	251	260	268	277	285		VALUES IN MM
R 157.0	210	218	227	235	244	252	261	269	278			
E 154.0	211	219	228	236	245	253	262	270				
151.0	212	220	229	237	246	255	263					
148.0	213	222	230	239	247	256						

ESTIMATES OF HIP BREADTH												NO. 68 KILOS
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	
178.0						355	365	374	384	394	403	MULTIPLE CORRELA- TION .774
175.0					346	356	366	375	385	395	404	
S 172.0				338	347	357	367	376	386	395	405	
T 169.0			329	339	348	358	368	377	387	396	406	STANDARD ERR EST. 14.0
A 166.0		320	330	340	349	359	369	378	388	397	407	
T 163.0		321	331	341	350	360	369	379	389	398		
U 160.0	313	322	332	342	351	361	370	380	390	399		VALUES IN MM
R 157.0	314	323	333	342	352	362	371	381	391			
E 154.0	315	324	334	343	353	363	372	382				
151.0	316	325	335	344	354	364	373					
148.0	316	326	336	345	355	365						

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN POUNDS + STATURE IN INCHES---

ESTIMATES OF BUSTPOINT-TO-BUSTPOINT BREADTH												NO. 66
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
68.0						75	77	79	82	84	87	MULTIPLE CORRELA- TION .598
67.0					72	75	77	80	82	85	87	
S 66.0				70	73	75	78	80	83	85	87	
T 65.0			68	71	73	76	78	81	83	85	88	STANDARD ERR EST. 4.9
A 64.0		66	69	71	74	76	78	81	83	86	88	
T 63.0		67	69	72	74	76	79	81	84	86		
U 62.0	65	67	69	72	74	77	79	82	84	86		VALUES IN IN/10
R 61.0	65	67	70	72	75	77	80	82	84			
E 60.0	65	68	70	73	75	77	80	82				
59.0	66	68	71	73	75	78	80					
58.0	66	68	71	73	76	78						

ESTIMATES OF WAIST BREADTH												NO. 67
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
68.0						98	102	106	110	114	117	MULTIPLE CORRELA- TION .773
67.0					95	99	103	106	110	114	118	
S 66.0				91	95	99	103	107	111	114	118	
T 65.0			88	92	96	99	103	107	111	115	118	STANDARD ERR EST. 4.8
A 64.0		85	88	92	96	100	104	107	111	115	119	
T 63.0		85	89	93	96	100	104	108	112	115		
U 62.0	82	85	89	93	97	101	104	108	112	116		VALUES IN IN/10
R 61.0	82	86	89	93	97	101	105	109	112			
E 60.0	82	86	90	94	97	101	105	109				
59.0	83	86	90	94	98	102	105					
58.0	83	87	91	94	98	102						

ESTIMATES OF HIP BREADTH												NO. 68
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
68.0						142	146	150	155	159	163	MULTIPLE CORRELA- TION .774
67.0					138	142	146	151	155	159	164	
S 66.0				134	138	143	147	151	155	160	164	
T 65.0			130	134	139	143	147	151	156	160	164	STANDARD ERR EST. 5.5
A 64.0		126	130	135	139	143	147	152	156	160	165	
T 63.0		126	131	135	139	143	148	152	156	161		
U 62.0	122	127	131	135	139	144	148	152	157	161		VALUES IN IN/10
R 61.0	123	127	131	136	140	144	148	153	157			
E 60.0	123	127	132	136	140	144	149	153				
59.0	123	128	132	136	140	145	149					
58.0	124	128	132	136	141	145						

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN KILOGRAMS + STATURE IN CENTIMETERS---

ESTIMATES OF THIGH-TO-THIGH BREADTH, SITTING											NO. 69		
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS	
.....													
	178.0					378	392	406	420	434	448	MULTIPLE CORRELA- TION .811	
	175.0				368	382	396	410	424	437	451		
S	172.0			357	371	385	399	413	427	441	455		
T	169.0			347	361	375	389	403	417	431	445	458	STANDARD ERR EST. 16.7
A	166.0		337	351	365	378	392	406	420	434	448	462	
T	163.0		340	354	368	382	396	410	424	438	452		
U	160.0	330	344	358	372	386	399	413	427	441	455	VALUES IN MM	
R	157.0	333	347	361	375	389	403	417	431	445			
E	154.0	337	351	365	379	393	407	420	434				
	151.0	340	354	368	382	396	410	424					
	148.0	344	358	372	386	400	414						

ESTIMATES OF HUMERAL BREADTH, RIGHT											NO. 70	
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
.....												
	178.0					64	65	66	66	67	67	MULTIPLE CORRELA- TION .588
	175.0				63	64	64	65	66	66	67	
S	172.0			62	63	63	64	65	65	66	67	
T	169.0			61	62	63	64	64	65	66	66	STANDARD ERR EST. 2.5
A	166.0		60	61	61	62	63	63	64	64	65	
T	163.0		60	60	61	62	62	63	63	64	65	
U	160.0	59	59	60	60	61	62	62	63	64	64	VALUES IN MM
R	157.0	58	59	59	60	61	61	62	63	63		
E	154.0	58	58	59	60	60	61	62	62			
	151.0	57	58	59	59	60	60	61				
	148.0	57	57	58	59	59	60					

ESTIMATES OF HUMERAL BREADTH, LEFT												NO. 71
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
.....												
	178.0					64	65	65	66	66	67	MULTIPLE CORRELA- TION .594
	175.0				63	64	64	65	65	66	67	
S	172.0			62	62	63	64	64	65	66	66	
T	169.0		61	61	62	63	63	64	65	65	66	STANDARD ERR EST. 2.4
A	166.0	60	60	61	62	62	63	64	64	65	65	
T	163.0	59	60	61	61	62	62	63	64	64		
U	160.0	58	59	60	60	61	62	63	63	64		VALUES IN MM
R	157.0	58	58	59	60	61	62	62	63			
E	154.0	57	58	59	59	60	61	61	62			
	151.0	57	58	58	59	59	60	61				
	148.0	57	57	58	58	59	60					

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN POUNDS + STATURE IN INCHES---

ESTIMATES OF THIGH-TO-THIGH BREADTH, SITTING												NO. 69
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
.....												
	68.0					153	160	166	172	178	185	MULTIPLE
	67.0				148	155	161	167	173	179	186	CORRELA-
S	66.0			143	150	156	162	168	174	181	187	TION
T	65.0		138	145	151	157	163	169	176	182	188	.811
A	64.0	133	139	146	152	158	164	171	177	183	189	
T	63.0	134	141	147	153	159	166	172	178	184		STANDARD
U	62.0	129	136	142	148	154	161	167	173	179	185	ERR EST.
R	61.0	131	137	143	149	155	162	168	174	180		6.6
E	60.0	132	138	144	150	157	163	169	175			
	59.0	133	139	145	152	158	164	170				VALUES
	58.0	134	140	147	153	159	165					IN IN/10

ESTIMATES OF HUMERAL BREADTH, RIGHT												NO. 70
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
.....												
S T A T U R E	68.0					25	25	26	26	26	27	MULTIPLE
	67.0				25	25	25	26	26	26	26	CORRELA-
	66.0			24	25	25	25	25	26	26	26	TION
	65.0			24	24	25	25	25	26	26	26	.588
	64.0		23	24	24	25	25	25	25	26	26	
	63.0		23	24	24	24	25	25	25	26		STANDARD
	62.0	23	23	23	24	24	25	25	25	25		ERR EST.
	61.0	23	23	23	24	24	24	25	25			1.0
	60.0	23	23	23	23	24	24	24				
	59.0	22	23	23	23	24	24					VALUES
58.0	22	23	23	23	23	24					IN IN/10	

ESTIMATES OF HUMERAL BREADTH, LEFT												NO. 71
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
.....												
S T A T U R E	68.0					25	25	26	26	26	26	MULTIPLE
	67.0				25	25	25	25	26	26	26	CORRELA-
	66.0			24	24	25	25	25	26	26	26	TION
	65.0			24	24	24	25	25	25	26	26	.594
	64.0		23	24	24	24	25	25	25	26	26	
	63.0		23	23	24	24	24	25	25	25		STANDARD
	62.0	23	23	23	24	24	24	25	25	25		ERR EST.
	61.0	23	23	23	23	24	24	24	25			1.0
	60.0	22	23	23	23	24	24	24				
59.0	22	23	23	23	23	24	24				VALUES	
58.0	22	22	23	23	23	24					IN IN/10	

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN KILOGRAMS + STATURE IN CENTIMETERS---

ESTIMATES OF FEMORAL BREADTH, RIGHT												NO. 72 KILOS
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	
178.0						84	85	86	87	88	89	MULTIPLE CORRELA- TION .496
175.0					82	83	84	85	86	87	88	
S 172.0				81	82	83	84	85	86	87	88	
T 169.0			80	81	82	83	84	85	86	87	88	STANDARD ERR EST. 3.9
A 166.0		78	80	81	82	83	84	85	86	87	88	
T 163.0		78	79	80	81	82	83	84	85	86		
U 160.0	77	78	79	80	81	82	83	84	85	86		VALUES IN MM
R 157.0	77	78	79	80	81	82	83	84	85			
E 154.0	76	77	79	80	81	82	83	84				
151.0	76	77	78	79	80	81	82					
148.0	76	77	78	79	80	81						

ESTIMATES OF FEMORAL BREADTH, LEFT												NO. 73 KILOS
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	
178.0						84	85	86	87	88	89	MULTIPLE CORRELA- TION .522
175.0					82	84	85	86	87	88	89	
S 172.0				81	82	83	84	85	87	88	89	
T 169.0			80	81	82	83	84	85	86	87	88	STANDARD ERR EST. 3.7
A 166.0		79	80	81	82	83	84	85	86	87	88	
T 163.0		78	79	80	82	83	84	85	86	87		
U 160.0	77	78	79	80	81	82	83	85	86	87		VALUES IN MM
R 157.0	77	78	79	80	81	82	83	84	85			
E 154.0	77	78	79	80	81	82	83	84				
151.0	76	77	79	80	81	82	83					
148.0	76	77	78	79	80	82						

ESTIMATES OF CHEST DEPTH												NO. 74 KILOS
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	
178.0						234	243	252	261	270	279	MULTIPLE CORRELA- TION .770
175.0					227	236	245	254	263	272	281	
S 172.0				221	230	239	248	256	265	274	283	
T 169.0			214	223	232	241	250	259	268	277	286	STANDARD ERR EST. 12.3
A 166.0		207	216	225	234	243	252	261	270	279	288	
T 163.0		210	219	228	236	245	254	263	272	281		
U 160.0	203	212	221	230	239	248	257	266	275	284		VALUES IN MM
R 157.0	205	214	223	232	241	250	259	268	277			
E 154.0	208	217	225	234	243	252	261	270				
151.0	210	219	228	237	246	255	264					
148.0	212	221	230	239	248	257						

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN POUNDS + STATURE IN INCHES---

ESTIMATES OF FEMORAL BREADTH, RIGHT												NO. 72
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
.....												
	68.0					33	33	34	34	35	35	MULTIPLE CORRELA- TION .496
	67.0				32	33	33	34	34	35	35	
S	66.0			32	32	33	33	34	34	35	35	
T	65.0		31	32	32	33	33	34	34	34	35	
A	64.0	31	31	32	32	33	33	33	34	34	35	
T	63.0		31	31	32	32	33	33	34	34		STANDARD ERR EST. 1.5
U	62.0	30	31	31	31	32	32	33	33	34	34	
R	61.0	30	30	31	31	32	32	33	33	34		
E	60.0	30	30	31	31	32	32	33	33			
	59.0	30	30	31	31	32	32	33				
	58.0	30	30	31	31	32	32					VALUES IN IN/10

ESTIMATES OF FEMORAL BREADTH, LEFT											NO. 73	
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
.....												
	68.0					33	33	34	34	35	35	MULTIPLE
	67.0				32	33	33	34	34	35	35	CORRELA-
S	66.0			32	32	33	33	34	34	35	35	TION
T	65.0		31	32	32	33	33	34	34	35	35	.522
A	64.0	31	31	32	32	33	33	34	34	35	35	
T	63.0	31	31	32	32	33	33	34	34	35		STANDARD
U	62.0	30	31	31	32	33	33	33	34	34		ERR EST.
R	61.0	30	31	31	32	32	33	33	34			1.5
E	60.0	30	30	31	31	32	32	33				
	59.0	30	30	31	31	32	32					VALUES
	58.0	30	30	31	31	32	32					IN IN/10

ESTIMATES OF CHEST DEPTH												NO. 74
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
.....												
	68.0					95	99	103	107	111	115	MULTIPLE
	67.0				92	96	100	104	108	112	116	CORRELA-
S	66.0			89	93	97	101	105	109	113	117	TION
T	65.0		85	89	93	97	101	105	109	113	117	.770
A	64.0	82	86	90	94	98	102	106	110	114	118	
T	63.0	83	87	91	95	99	103	107	111	115		STANDARD
U	62.0	80	84	88	92	96	100	104	108	112	116	ERR EST.
R	61.0	80	84	88	92	96	100	104	108	112		4.8
E	60.0	81	85	89	93	97	101	105	109			
	59.0	82	86	90	94	98	102	106				VALUES
	58.0	83	87	91	95	99	103					IN IN/10

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN KILOGRAMS + STATURE IN CENTIMETERS---

ESTIMATES OF WAIST DEPTH											NO. 75	
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
.....												
	178.0					166	174	182	190	198	206	MULTIPLE
	175.0				161	169	177	184	192	200	208	CORRELA-
S	172.0			155	163	171	179	187	195	202	210	TION
T	169.0		150	158	165	173	181	189	197	205	213	.773
A	166.0	144	152	160	168	176	184	191	199	207	215	
T	163.0	146	154	162	170	178	186	194	202	209		STANDARD
U	160.0	141	149	157	165	172	180	188	196	204	212	ERR EST.
R	157.0	143	151	159	167	175	183	191	198	206		10.6
E	154.0	146	153	161	169	177	185	193	201			
	151.0	148	156	164	172	179	187	195				VALUES
	148.0	150	158	166	174	182	190					IN MM

ESTIMATES OF ABDOMINAL EXTENSION DEPTH												NO. 76
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
.....												
	178.0					204	215	225	236	247	257	MULTIPLE CORRELA- TION .830
	175.0				196	207	218	228	239	250	261	
S	172.0			189	199	210	221	232	242	253	264	
T	169.0		181	192	203	213	224	235	245	256	267	STANDARD ERR EST. 11.8
A	166.0	174	184	195	206	216	227	238	249	259	270	
T	163.0	177	187	198	209	220	230	241	252	262		
U	160.0	169	180	191	201	212	223	233	244	255	266	VALUES IN MM
R	157.0	172	183	194	204	215	226	237	247	258		
E	154.0	175	186	197	208	218	229	240	250			
	151.0	179	189	200	211	221	232	243				
	148.0	182	192	203	214	225	235					

ESTIMATES OF BUTTOCK DEPTH											NO. 77	
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
.....												
	178.0					209	218	227	236	245	254	MULTIPLE
	175.0				202	211	220	229	238	247	256	CORRELA-
S	172.0			195	204	213	222	231	241	250	259	TION
T	169.0		189	198	207	216	225	234	243	252	261	.836
A	166.0	182	191	200	209	218	227	236	245	254	263	
T	163.0	185	194	203	212	221	230	239	248	257		STANDARD
U	160.0	178	187	196	205	214	223	232	241	250	259	ERR EST.
R	157.0	180	189	198	207	216	225	234	243	252		9.8
E	154.0	183	192	201	210	219	228	237	246			
	151.0	185	194	203	212	221	230	239				VALUES
	148.0	187	196	205	214	223	233					IN MM

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN POUNDS + STATURE IN INCHES---

ESTIMATES OF WAIST DEPTH												NO. 75 POUNDS
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	
68.0						68	72	75	79	82	86	MULTIPLE CORRELA- TION .773
67.0					66	69	73	76	80	83	87	
S 66.0				63	66	70	73	77	80	84	87	
T 65.0			60	64	67	71	74	78	81	85	88	STANDARD ERR EST. 4.2
A 64.0		57	61	64	68	71	75	78	82	85	89	
T 63.0		58	62	65	69	72	76	79	83	86		
U 62.0	55	59	62	66	69	73	76	80	83	87		VALUES IN IN/10
R 61.0	56	60	63	67	70	74	77	81	84			
E 60.0	57	60	64	67	71	74	78	82				
59.0	58	61	65	68	72	75	79					
58.0	58	62	65	69	73	76						

ESTIMATES OF ABDOMINAL EXTENSION DEPTH												NO. 76 POUNDS
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	
68.0						84	89	94	98	103	108	MULTIPLE CORRELA- TION .830
67.0					80	85	90	95	99	104	109	
S 66.0				77	81	86	91	96	100	105	110	
T 65.0			73	78	82	87	92	97	102	106	111	STANDARD ERR EST. 4.6
A 64.0		69	74	79	83	88	93	98	103	107	112	
T 63.0		70	75	80	84	89	94	99	104	108		
U 62.0	66	71	76	81	86	90	95	100	105	109		VALUES IN IN/10
R 61.0	67	72	77	82	87	91	96	101	106			
E 60.0	69	73	78	83	88	92	97	102				
59.0	70	74	79	84	89	93	98					
58.0	71	75	80	85	90	95						

ESTIMATES OF BUTTOCK DEPTH												NO. 77 POUNDS
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	
68.0						85	89	93	97	101	105	MULTIPLE CORRELA- TION .836
67.0					82	86	90	94	98	102	106	
S 66.0				79	83	87	91	95	99	103	107	
T 65.0			75	79	84	88	92	96	100	104	108	STANDARD ERR EST. 3.9
A 64.0		72	76	80	84	88	92	96	100	104	108	
T 63.0		73	77	81	85	89	93	97	101	105		
U 62.0	70	74	78	82	86	90	94	98	102	106		VALUES IN IN/10
R 61.0	71	75	79	83	87	91	95	99	103			
E 60.0	71	75	79	83	87	91	96	100				
59.0	72	76	80	84	88	92	96					
58.0	73	77	81	85	89	93						

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN KILOGRAMS + STATURE IN CENTIMETERS---

ESTIMATES OF THIGH CLEARANCE												NO. 78
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
.....												
	178.0					132	136	141	145	150	154	MULTIPLE CORRELA- TION .716
	175.0				127	131	136	140	145	149	154	
S	172.0			122	126	131	135	140	144	149	153	
T	169.0		117	121	126	130	135	139	144	148	153	STANDARD ERR EST. 8.7
A	166.0	112	116	121	125	130	134	139	143	148	152	
T	163.0	111	116	120	125	129	134	138	143	147		
U	160.0	106	111	115	120	124	129	133	138	142	147	VALUES IN MM
R	157.0	106	110	115	119	124	128	133	137	142		
E	154.0	106	110	115	119	124	128	133	137			
	151.0	105	110	114	119	123	128	132				
	148.0	105	109	114	118	123	127					

ESTIMATES OF SHOULDER LENGTH											NO. 79	
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
.....												
	178.0					156	156	157	157	158	159	MULTIPLE
	175.0				153	154	155	155	156	156	157	CORRELA-
S	172.0			151	152	152	153	154	154	155	155	TION
T	169.0		149	150	150	151	151	152	153	153	154	.377
A	166.0	147	147	148	149	149	150	150	151	152	152	
T	163.0	145	146	147	147	148	148	149	150	150		STANDARD
U	160.0	143	144	144	145	146	146	147	147	148	149	ERR EST.
R	157.0	142	142	143	144	145	145	146	146			9.5
E	154.0	140	141	141	142	142	143	144	144			
	151.0	138	139	140	140	141	141	142				VALUES
	148.0	137	138	138	139	139	140					IN MM

ESTIMATES OF NECK-TO-BUSTPOINT LENGTH												NO. 80
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
.....												
178.0						259	265	271	277	283	289	MULTIPLE
175.0					253	259	265	271	277	283	290	CORRELA-
S 172.0				248	254	260	266	272	278	284	290	TION
T 169.0			242	248	254	260	266	272	278	285	291	.574
A 166.0		237	243	249	255	261	267	273	279	285	291	
T 163.0		237	243	249	255	261	267	273	280	286		STANDARD
U 160.0	232	238	244	250	256	262	268	274	280	286		ERR EST.
R 157.0	232	238	244	250	256	262	268	275	281			15.5
E 154.0	233	239	245	251	257	263	269	275				
151.0	233	239	245	251	257	263	270					VALUES
148.0	234	240	246	252	258	264						IN MM

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN POUNDS + STATURE IN INCHES---

ESTIMATES OF THIGH CLEARANCE												NO. 78
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
.....												
	68.0					52	54	56	58	60	62	MULTIPLE
	67.0				50	52	54	56	58	60	62	CORRELA-
S	66.0			48	50	52	54	56	58	60	62	TION
T	65.0		46	48	50	52	54	56	58	60	62	.716
A	64.0	44	46	48	50	52	54	56	58	60	62	
T	63.0		43	45	47	49	51	53	55	57	59	STANDARD
U	62.0	41	43	45	47	49	51	53	55	57	59	ERR EST.
R	61.0	41	43	45	47	49	51	53	55	57		3.4
E	60.0	41	43	45	47	49	51	53	55			
	59.0	41	43	45	47	49	51	53				VALUES
	58.0	41	43	45	47	49	51					IN IN/10

ESTIMATES OF SHOULDER LENGTH												NO. 79
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
.....												
	68.0					60	61	61	61	61	62	MULTIPLE
	67.0				59	60	60	60	61	61	61	CORRELA-
S	66.0			59	59	59	59	60	60	60	61	TION
T	65.0		58	58	58	59	59	59	59	60	60	.377
A	64.0	57	57	58	58	58	58	59	59	59	59	
T	63.0	57	57	57	57	58	58	58	58	59		STANDARD
U	62.0	56	56	56	57	57	57	58	58	58		ERR EST.
R	61.0	55	56	56	56	57	57	57	57			3.7
E	60.0	55	55	55	56	56	56	57				
	59.0	54	54	55	55	55	56					VALUES
	58.0	54	54	54	55	55						IN IN/10

ESTIMATES OF NECK-TO-BUSTPOINT LENGTH												NO. 80	
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS	
.....													
	68.0					103	106	109	111	114	117	MULTIPLE CORRELA- TION .574	
	67.0				101	103	106	109	111	114	117		
S	66.0			98	101	103	106	109	112	114	117		
T	65.0			96	98	101	104	106	109	112	114	117	STANDARD ERR EST. 6.1
A	64.0		93	96	98	101	104	107	109	112	115	117	
T	63.0		93	96	99	101	104	107	109	112	115		
U	62.0	91	93	96	99	101	104	107	110	112	115	VALUES IN IN/10	
R	61.0	91	94	96	99	102	104	107	110	112			
E	60.0	91	94	96	99	102	105	107	110				
	59.0	91	94	97	99	102	105	107					
	58.0	91	94	97	99	102	105						

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN KILOGRAMS + STATURE IN CENTIMETERS---

ESTIMATES OF STRAP LENGTH											NO. 81	
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILCS
.....												
	178.0					664	678	692	706	720	734	MULTIPLE CORRELA- TION .655
	175.0				650	665	679	693	707	721	735	
S	172.0			637	651	665	679	693	707	721	735	
T	169.0		624	638	652	666	680	694	708	722	736	STANDARD ERR EST. 29.6
A	166.0	610	624	638	652	667	681	695	709	723	737	
T	163.0	611	625	639	653	667	681	695	709	723		
U	160.0	598	612	626	640	654	668	682	696	710	724	VALUES IN MM
R	157.0	598	612	626	640	655	669	683	697	711		
E	154.0	599	613	627	641	655	669	683	697			
	151.0	600	614	628	642	656	670	684				
	148.0	600	614	628	643	657	671					

ESTIMATES OF INTERSCYE CURVATURE											NO. 82	
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
.....												
	178.0					350	358	366	374	382	390	MULTIPLE CORRELA- TION .546
	175.0				344	352	360	368	376	384	391	
S	172.0			338	346	354	362	369	377	385	393	
T	169.0		332	340	347	355	363	371	379	387	395	STANDARD ERR EST. 20.4
A	166.0	325	333	341	349	357	365	373	381	388	396	
T	163.0	327	335	343	351	359	366	374	382	390		
U	160.0	321	329	337	345	352	360	368	376	384	392	VALUES IN MM
R	157.0	323	330	338	346	354	362	370	378	386		
E	154.0	324	332	340	348	356	364	371	379			
	151.0	326	334	342	349	357	365	373				
	148.0	327	335	343	351	359	367					

ESTIMATES OF INTERSCYE CURVATURE, MAXIMUM											NO. 83	
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
.....
178.0						511	519	528	537	546	555	MULTIPLE CORRELA- TION .557
175.0					500	509	518	527	536	545	554	
S 172.0				490	499	508	517	526	535	544	553	
T 169.0			480	489	498	507	516	524	533	542	551	STANDARD ERR EST. 27.3
A 166.0		470	479	487	496	505	514	523	532	541	550	
T 163.0		468	477	486	495	504	513	522	531	540		
U 160.0	458	467	476	485	494	503	512	521	529	538		VALUES IN MM
R 157.0	457	466	475	483	492	501	510	519	528			
E 154.0	455	464	473	482	491	500	509	518				
151.0	454	463	472	481	490	499	508					
148.0	453	462	471	480	488	497						

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN POUNDS + STATURE IN INCHES---

ESTIMATES OF STRAP LENGTH											NO. 81	
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
.....												
	68.0					264	270	276	283	289	295	MULTIPLE CORRELA- TION .655
	67.0				258	264	270	277	283	289	296	
S	66.0			252	258	264	271	277	283	289	296	
T	65.0		246	252	258	265	271	277	283	290	296	
A	64.0	240	246	252	259	265	271	277	284	290	296	
T	63.0		240	246	252	259	265	271	278	284	290	STANDARD ERR EST. 11.7
U	62.0	234	240	246	253	259	265	272	278	284	290	
R	61.0	234	240	247	253	259	266	272	278	284		
E	60.0	234	241	247	253	259	266	272	278			
	59.0	235	241	247	253	260	266	272				
	58.0	235	241	247	254	260	266					VALUES IN IN/10

ESTIMATES OF INTERSCYE CURVATURE											NO. 82	
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
.....												
	68.0					140	144	147	151	154	158	MULTIPLE CORRELA- TION .546
	67.0				137	141	144	148	151	155	158	
S	66.0			134	138	141	145	148	152	155	159	
T	65.0		131	135	138	142	145	149	152	156	159	
A	64.0	128	132	135	139	142	146	149	153	156	160	
T	63.0		129	132	136	139	143	147	150	154	157	STANDARD ERR EST. 8.0
U	62.0	126	129	133	137	140	144	147	151	154	158	
R	61.0	127	130	134	137	141	144	148	151	155		
E	60.0	127	131	134	138	141	145	148	152			
	59.0	128	131	135	138	142	145	149				
	58.0	128	132	135	139	142	146					VALUES IN IN/10

ESTIMATES OF INTERSCYE CURVATURE, MAXIMUM												NO. 83
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
.....												
	68.0					201	205	209	213	217	221	MULTIPLE CORRELA- TION .557
	67.0				197	201	205	209	213	217	221	
S	66.0			193	197	201	205	209	212	216	220	
T	65.0		188	192	196	200	204	208	212	216	220	STANDARD ERR EST. 10.7
A	64.0	184	188	192	196	200	204	208	212	216	220	
T	63.0	183	187	191	195	199	203	207	211	215		
U	62.0	179	183	187	191	195	199	203	207	211	215	VALUES IN IN/10
R	61.0	178	182	186	190	194	198	202	206	210		
E	60.0	178	182	186	190	194	198	202	206			
	59.0	178	182	186	189	193	197	201				
	58.0	177	181	185	189	193	197					

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN KILOGRAMS + STATURE IN CENTIMETERS---

ESTIMATES OF BACK CURVATURE											NO. 84		
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS	
.....													
	178.0					423	434	445	456	467	478	MULTIPLE CORRELA- TION .615	
	175.0				414	425	436	447	458	469	480		
S	172.0			405	416	427	438	449	460	471	482		
T	169.0		396	407	418	429	440	451	462	473	484		
A	166.0		387	398	409	420	431	442	453	464	474	485	STANDARD ERR EST. 24.1
T	163.0		389	400	411	422	433	444	455	465	476		
U	160.0	380	391	402	413	424	435	445	456	467	478		
R	157.0	382	393	404	415	426	436	447	458	469			
E	154.0	384	395	406	416	427	438	449	460			VALUES IN MM	
	151.0	386	397	407	418	429	440	451					
	148.0	387	398	409	420	431	442						

ESTIMATES OF WAIST BACK												NO. 85
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
.....												
	178.0					440	440	439	439	439	439	MULTIPLE CORRELA- TION .586
	175.0				433	433	433	433	433	432	432	
S	172.0			427	427	427	426	426	426	426	426	
T	169.0		421	420	420	420	420	420	419	419	419	
A	166.0		414	414	414	413	413	413	413	413	412	STANDARD ERR EST. 18.0
T	163.0		408	408	407	407	407	406	406	406		
U	160.0	401	401	401	401	400	400	400	400	399		
R	157.0	395	395	394	394	394	393	393	393			
E	154.0	388	388	388	388	387	387	387				VALUES IN MM
	151.0	382	381	381	381	381	380	380				
	148.0	375	375	375	374	374	374					

ESTIMATES OF ANTERIOR WAIST LENGTH												NO. 86
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
.....												
	178.0					355	358	361	364	367	370	MULTIPLE CORRELA- TION .523
	175.0				349	352	355	358	361	364	367	
S	172.0			343	346	349	352	355	358	361	364	
T	169.0		336	340	343	346	349	352	355	358	362	
A	166.0		330	334	337	340	343	346	349	352	355	359
T	163.0		328	331	334	337	340	343	346	349	353	STANDARD ERR EST. 16.7
U	160.0	321	325	328	331	334	337	340	343	347	350	
R	157.0	319	322	325	328	331	334	337	340	344		
E	154.0	316	319	322	325	328	331	334	338			
	151.0	313	316	319	322	325	328	332				VALUES IN MM
	148.0	310	313	316	319	322	325					

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN POUNDS + STATURE IN INCHES---

ESTIMATES OF BACK CURVATURE												NO. 84 POUNDS
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	
68.0						170	174	179	184	189	194	MULTIPLE CORRELA- TION .615
67.0					165	170	175	180	185	190	195	
S 66.0				161	166	171	176	181	185	190	195	
T 65.0			157	162	167	171	176	181	186	191	196	STANDARD ERR EST. 9.5
A 64.0		153	157	162	167	172	177	182	187	192	196	
T 63.0		153	158	163	168	173	178	182	187	192		
U 62.0	149	154	159	164	168	173	178	183	188	193		VALUES IN IN/10
R 61.0	150	154	159	164	169	174	179	184	189			
E 60.0	150	155	160	165	170	175	179	184				
59.0	151	156	161	165	170	175	180					
58.0	151	156	161	166	171	176						

ESTIMATES OF WAIST BACK												NO. 85 POUNDS
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	
68.0						169	168	168	168	168	168	MULTIPLE CORRELA- TION .586
67.0					166	166	166	166	166	166	166	
S 66.0				164	164	164	164	164	164	164	164	
T 65.0			162	162	162	162	162	162	162	162	161	STANDARD ERR EST. 7.1
A 64.0		160	160	160	160	160	160	160	159	159	159	
T 63.0		158	158	158	158	158	157	157	157	157		
U 62.0	156	156	156	156	155	155	155	155	155	155		VALUES IN IN/10
R 61.0	154	154	153	153	153	153	153	153	153			
E 60.0	151	151	151	151	151	151	151	151				
59.0	149	149	149	149	149	149	149					
58.0	147	147	147	147	147	147						

ESTIMATES OF ANTERIOR WAIST LENGTH												NO. 86 POUNDS
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	
68.0						138	139	141	142	144	145	MULTIPLE CORRELA- TION .523
67.0					136	137	138	140	141	143	144	
S 66.0				133	135	136	138	139	140	142	143	
T 65.0			131	132	134	135	137	138	139	141	142	STANDARD ERR EST. 6.6
A 64.0		129	130	131	133	134	136	137	138	140	141	
T 63.0		128	129	130	132	133	135	136	137	139		
U 62.0	125	127	128	129	131	132	134	135	136	138		VALUES IN IN/10
R 61.0	124	126	127	128	130	131	133	134	135			
E 60.0	123	125	126	127	129	130	132	133				
59.0	122	124	125	127	128	129	131					
58.0	121	123	124	126	127	128						

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN KILOGRAMS + STATURE IN CENTIMETERS---

ESTIMATES OF SLEEVE INSEAM											NO. 87	
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
.....												
	178.0					489	487	486	484	483	481	MULTIPLE CORRELA- TION .715
	175.0				481	480	478	476	475	473	472	
S	172.0			474	472	470	469	467	466	464	462	
T	169.0		466	464	463	461	459	458	456	455	453	STANDARD ERR EST. 16.9
A	166.0	458	456	455	453	452	450	448	447	445	444	
T	163.0	449	447	446	444	442	441	439	438	436		
U	160.0	441	439	438	436	435	433	431	430	428	427	VALUES IN MM
R	157.0	432	430	428	427	425	424	422	421	419		
E	154.0	422	421	419	418	416	414	413	411			
	151.0	413	411	410	408	407	405	403				
	148.0	404	402	400	399	397	396					

ESTIMATES OF SPINE-TO-SCYE LENGTH (SLEEVE LENGTH SEGMENT)											NO. 88	
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
.....												
	178.0					208	211	214	217	220	223	MULTIPLE CORRELA- TION .431
	175.0				205	208	211	214	217	220	223	
S	172.0			202	205	208	211	214	217	220	223	
T	169.0		199	202	205	208	210	213	216	219	222	STANDARD ERR EST. 12.2
A	166.0	195	198	201	204	207	210	213	216	219	222	
T	163.0	195	198	201	204	207	210	213	216	219		
U	160.0	192	195	198	201	204	207	210	213	215	218	VALUES IN MM
R	157.0	192	195	198	200	203	206	209	212	215		
E	154.0	191	194	197	200	203	206	209	212			
	151.0	191	194	197	200	203	206	209				
	148.0	191	194	197	200	203	206					

ESTIMATES OF SPINE-TO-ELBOW LENGTH (SLEEVE LENGTH SEGMENT)											NO. 89	
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
.....												
	178.0					571	574	578	582	585	589	MULTIPLE
	175.0				561	564	568	572	575	579	583	CORRELA-
S	172.0			551	554	558	562	565	569	573	577	TION
T	169.0		541	544	548	552	555	559	563	567	570	.722
A	166.0	531	534	538	542	545	549	553	557	560	564	
T	163.0		524	528	532	535	539	543	546	550	554	STANDARD
U	160.0	514	518	522	525	529	533	536	540	544	548	ERR EST.
R	157.0	508	512	515	519	523	526	530	534	538		16.6
E	154.0	502	505	509	513	516	520	524	528			
	151.0	495	499	503	506	510	514	518				VALUES
	148.0	489	493	496	500	504	507					IN MM

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN POUNDS + STATURE IN INCHES---

ESTIMATES OF SLEEVE INSEAM												NO. 87 POUNDS
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	
68.0						186	185	184	184	183	182	MULTIPLE CORRELA- TION .715
67.0					183	183	182	181	181	180	179	
S 66.0				181	180	180	179	178	177	177	176	
T 65.0			179	178	177	176	176	175	174	174	173	STANDARD ERR EST. 6.6
A 64.0		176	176	175	174	173	173	172	171	171	170	
T 63.0		173	172	172	171	170	170	169	168	167		
U 62.0	171	170	169	169	168	167	166	166	165	164		VALUES IN IN/10
R 61.0	168	167	166	165	165	164	163	163	162			
E 60.0	164	164	163	162	162	161	160	160				
59.0	161	161	160	159	159	158	157					
58.0	158	158	157	156	155	155						

ESTIMATES OF SPINE-TO-SCYE LENGTH (SLEEVE LENGTH SEGMENT)												NO. 88 POUNDS
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	
68.0						82	84	85	86	88	89	MULTIPLE CORRELA- TION .431
67.0					81	82	83	85	86	87	89	
S 66.0				79	81	82	83	85	86	87	89	
T 65.0			78	79	81	82	83	85	86	87	89	STANDARD ERR EST. 4.8
A 64.0		77	78	79	81	82	83	85	86	87	88	
T 63.0		77	78	79	80	82	83	84	86	87		
U 62.0	75	76	78	79	80	82	83	84	86	87		VALUES IN IN/10
R 61.0	75	76	78	79	80	82	83	84	86			
E 60.0	75	76	78	79	80	82	83	84				
59.0	75	76	77	79	80	81	83					
58.0	75	76	77	79	80	81						

ESTIMATES OF SPINE-TO-ELBOW LENGTH (SLEEVE LENGTH SEGMENT)												NO. 89 POUNDS
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	
68.0						221	222	224	226	227	229	MULTIPLE CORRELA- TION .722
67.0					217	219	220	222	224	225	227	
S 66.0				213	215	217	218	220	222	223	225	
T 65.0			210	211	213	215	216	218	219	221	223	STANDARD ERR EST. 6.6
A 64.0		206	207	209	211	212	214	216	217	219	221	
T 63.0		204	205	207	209	210	212	214	215	217		
U 62.0	200	202	203	205	207	208	210	212	213	215		VALUES IN IN/10
R 61.0	198	199	201	203	204	206	208	209	211			
E 60.0	196	197	199	201	202	204	206	207				
59.0	194	195	197	199	200	202	204					
58.0	192	193	195	196	198	200						

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN KILOGRAMS + STATURE IN CENTIMETERS---

ESTIMATES OF SPINE-TO-WRIST LENGTH (SLEEVE LENGTH SEGMENT)												NO. 90 KILOS
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	
178.0						856	860	864	868	872	876	MULTIPLE CORRELA- TION .782
175.0					842	846	850	854	858	862	866	
S 172.0				627	831	835	839	843	847	851	855	
T 169.0			812	816	820	824	828	832	836	841	845	STANDARD ERR. EST. 20.7
A 166.0		798	802	806	810	814	818	822	826	830	834	
T 163.0		787	791	795	799	803	807	811	815	819		
U 160.0	773	777	781	785	789	793	797	801	805	809		VALUES IN MM
R 157.0	762	766	770	774	778	782	786	790	794			
E 154.0	752	756	760	764	768	772	776	780				
151.0	741	745	749	753	757	761	765					
148.0	730	734	738	743	747	751						

ESTIMATES OF HAND LENGTH												NO. 91 KILOS
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	
178.0						198	199	199	200	200	201	MULTIPLE CORRELA- TION .606
175.0					195	196	196	197	197	198	198	
S 172.0				192	193	193	194	194	194	195	195	
T 169.0			189	190	190	190	191	191	192	192	193	STANDARD ERR. EST. 7.6
A 166.0		186	186	187	187	188	188	189	189	190	190	
T 163.0		183	184	184	185	185	186	186	186	187		
U 160.0	180	181	181	182	182	182	183	183	184	184		VALUES IN MM
R 157.0	178	178	178	179	179	180	180	181	181			
E 154.0	175	175	176	176	177	177	178	178				
151.0	172	173	173	174	174	174	175					
148.0	170	170	170	171	171	172						

ESTIMATES OF HAND BREADTH												NO. 92 KILOS
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	
178.0						78	79	80	80	81	82	MULTIPLE CORRELA- TION .457
175.0					77	78	79	79	80	81	81	
S 172.0				76	77	78	78	79	79	80	81	
T 169.0			75	76	77	77	78	78	79	80	80	STANDARD ERR. EST. 3.5
A 166.0		74	75	76	76	77	77	78	79	79	80	
T 163.0		74	74	75	76	76	77	78	78	79		
U 160.0	73	73	74	75	75	76	77	77	78	78		VALUES IN MM
R 157.0	72	73	74	74	75	75	76	77	77			
E 154.0	72	73	73	74	74	75	76	76				
151.0	72	72	73	73	74	75	75					
148.0	71	72	72	73	74	74						

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN POUNDS + STATURE IN INCHES---

ESTIMATES OF SPINE-TO-WRIST LENGTH (SLEEVE LENGTH SEGMENT)												NO. 90
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
68.0						330	332	334	336	338	339	MULTIPLE CORRELA- TION .782
67.0					325	327	329	330	332	334	336	
S 66.0				320	322	323	325	327	329	330	332	
T 65.0			314	316	318	320	322	323	325	327	329	STANDARD ERR EST. 8.1
A 64.0		309	311	313	314	316	318	320	322	323	325	
T 63.0		306	307	309	311	313	315	316	318	320		
U 62.0	300	302	304	306	307	309	311	313	315	316		VALUES IN IN/10
R 61.0	297	299	300	302	304	306	307	309	311			
E 60.0	293	295	297	299	300	302	304	306				
59.0	290	291	293	295	297	299	300					
58.0	286	288	290	292	293	295						

ESTIMATES OF HAND LENGTH												NO. 91
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
68.0						76	77	77	77	77	77	MULTIPLE CORRELA- TION .606
67.0					75	75	76	76	76	76	76	
S 66.0				74	74	75	75	75	75	75	76	
T 65.0			73	73	73	74	74	74	74	74	75	STANDARD ERR EST. 3.0
A 64.0		72	72	72	73	73	73	73	73	74	74	
T 63.0		71	71	72	72	72	72	72	73	73		
U 62.0	70	70	70	71	71	71	71	71	72	72		VALUES IN IN/10
R 61.0	69	69	70	70	70	70	70	71	71			
E 60.0	68	68	69	69	69	69	69	70				
59.0	67	68	68	68	68	68	69					
58.0	66	67	67	67	67	67						

ESTIMATES OF HAND BREADTH												NO. 92
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
68.0						31	31	31	32	32	32	MULTIPLE CORRELA- TION .457
67.0					30	31	31	31	31	32	32	
S 66.0				30	30	30	31	31	31	32	32	
T 65.0			29	30	30	30	31	31	31	31	32	STANDARD ERR EST. 1.4
A 64.0		29	29	30	30	30	30	31	31	31	32	
T 63.0		29	29	29	30	30	30	31	31	31		
U 62.0	28	29	29	29	30	30	30	30	31	31		VALUES IN IN/10
R 61.0	28	29	29	29	29	30	30	30	31			
E 60.0	28	28	29	29	29	30	30	30				
59.0	28	28	29	29	29	29	30					
58.0	28	28	28	29	29	29						

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN KILOGRAMS + STATURE IN CENTIMETERS---

ESTIMATES OF HAND CIRCUMFERENCE												NO. 93 KILOS	
WEIGHT	42	46	50	54	58	62	66	70	74	78	82		
	178.0					189	191	193	195	197	199	MULTIPLE CORRELA- TION .509	
	175.0				186	188	190	192	194	196	198		
S	172.0			183	185	187	190	192	194	196	198		
T	169.0			181	183	185	187	189	191	193	195	197	STANDARD ERR EST. 7.8
A	166.0		178	180	182	184	186	188	190	192	194	196	
T	163.0		177	179	182	184	186	188	190	192	194		
U	160.0	175	177	179	181	183	185	187	189	191	193	VALUES IN MM	
R	157.0	174	176	178	180	182	184	186	188	190			
E	154.0	174	176	178	180	182	184	186	188				
	151.0	173	175	177	179	181	183	185					
	148.0	172	174	176	178	180	182						

ESTIMATES OF FOOT LENGTH											NO. 94	
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
.....												
178.0						259	261	262	263	264	265	MULTIPLE CORRELA- TION .712
175.0					255	256	257	259	260	261	262	
S 172.0				250	252	253	254	255	256	258	259	
T 169.0			246	247	248	250	251	252	253	254	256	STANDARD ERR EST. 7.9
A 166.0		242	243	244	245	246	247	249	250	251	252	
T 163.0		238	239	241	242	243	244	245	247	248		
U 160.0	234	235	236	237	238	240	241	242	243	244		VALUES IN MM
R 157.0	230	232	233	234	235	236	238	239	240			
E 154.0	227	228	229	231	232	233	234	235				
151.0	224	225	226	227	229	230	231					
148.0	221	222	223	224	225	226						

ESTIMATES OF FOOT BREADTH												NO. 95
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
.....												
	178.0					92	93	94	94	95	96	MULTIPLE
	175.0				91	92	92	93	94	95	95	CORRELA-
S	172.0			90	90	91	92	93	93	94	95	TION
T	169.0		88	89	90	91	91	92	93	94	94	.429
A	166.0		87	88	89	90	91	92	92	93	94	STANDARD ERR EST. 4.5
T	163.0		87	87	88	89	90	91	92	93		
U	160.0	85	86	87	88	88	89	90	91	92		
R	157.0	85	86	86	87	88	89	89	90	91		VALUES IN MM
E	154.0	84	85	86	87	87	88	89	90			
	151.0	84	85	85	86	87	88	88				
	148.0	83	84	85	86	86	87					

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN POUNDS + STATURE IN INCHES---

ESTIMATES OF HAND CIRCUMFERENCE												NO. 93 POUNDS
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	
68.0						74	75	76	77	78	79	MULTIPLE CORRELA- TION .509
67.0					73	74	75	76	77	78	78	
S 66.0				72	73	74	75	76	76	77	78	
T 65.0			71	72	73	74	74	75	76	77	78	STANDARD ERR EST. 3.1
A 64.0		70	71	72	72	73	74	75	76	77	78	
T 63.0		69	70	71	72	73	74	75	76	77		
U 62.0	68	69	70	71	72	73	74	75	76	77		VALUES IN IN/10
R 61.0	68	69	70	71	72	73	74	74	75			
E 60.0	68	69	70	71	72	72	73	74				
59.0	68	69	70	70	71	72	73					
58.0	68	68	69	70	71	72						

ESTIMATES OF FOOT LENGTH												NO. 94 POUNDS
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	
68.0						100	101	101	102	102	103	MULTIPLE CORRELA- TION .712
67.0					98	99	99	100	101	101	102	
S 66.0				97	97	98	98	99	99	100	100	
T 65.0			95	96	96	97	97	98	98	99	99	STANDARD ERR EST. 3.1
A 64.0		94	94	95	95	96	96	97	97	98	98	
T 63.0		92	93	93	94	95	95	96	96	97		
U 62.0	91	91	92	92	93	93	94	94	95	96		VALUES IN IN/10
R 61.0	90	90	91	91	92	92	93	93	94			
E 60.0	89	89	90	90	91	91	92	92				
59.0	87	88	89	89	90	90	91					
58.0	86	87	87	88	89	89						

ESTIMATES OF FOOT BREADTH												NO. 95 POUNDS
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	
68.0						36	36	37	37	37	38	MULTIPLE CORRELA- TION .429
67.0					36	36	36	37	37	37	38	
S 66.0				35	35	36	36	36	37	37	37	
T 65.0			35	35	35	36	36	36	37	37	37	STANDARD ERR EST. 1.8
A 64.0		34	34	35	35	35	36	36	36	37	37	
T 63.0		34	34	35	35	35	36	36	36	37		
U 62.0	33	34	34	34	35	35	35	36	36	36		VALUES IN IN/10
R 61.0	33	34	34	34	35	35	35	36	36			
E 60.0	33	33	34	34	34	35	35	35				
59.0	33	33	34	34	34	35	35					
58.0	33	33	33	34	34	34						

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN KILOGRAMS + STATURE IN CENTIMETERS---

ESTIMATES OF HEAD LENGTH												NO. 96 KILOS
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	
178.0						189	189	190	191	191	192	MULTIPLE CORRELA- TION .356
175.0					187	188	189	189	190	191	191	
S 172.0				186	187	187	188	189	189	190	191	
T 169.0			185	185	186	187	187	188	189	189	190	STANDARD ERR EST. 6.3
A 166.0		183	184	184	185	186	186	187	188	189	189	
T 163.0		182	183	184	184	185	186	186	187	188		
U 160.0	181	182	182	183	184	184	185	186	186	187		VALUES IN MM
R 157.0	180	181	182	182	183	184	184	185	186			
E 154.0	179	180	181	181	182	183	184	184				
151.0	179	179	180	181	181	182	183					
148.0	178	179	179	180	181	181						

ESTIMATES OF HEAD BREADTH												NO. 97 KILOS
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	
178.0						146	147	148	149	150	151	MULTIPLE CORRELA- TION .290
175.0					145	146	147	148	149	150	151	
S 172.0				144	145	146	147	148	149	150	151	
T 169.0			143	144	145	146	147	148	149	150	151	STANDARD ERR EST. 5.7
A 166.0		142	143	144	145	146	147	148	149	150	151	
T 163.0		142	143	144	145	146	147	148	149	150		
U 160.0	141	142	143	144	145	146	147	148	149	150		VALUES IN MM
R 157.0	142	142	143	144	145	146	147	148	149			
E 154.0	142	143	144	144	145	146	147	148				
151.0	142	143	144	145	146	146	147					
148.0	142	143	144	145	146	147						

ESTIMATES OF HEAD CIRCUMFERENCE												NO. 98 KILOS
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	
178.0						559	561	564	567	570	572	MULTIPLE CORRELA- TION .426
175.0					555	557	560	563	565	568	571	
S 172.0				550	553	556	559	561	564	567	570	
T 169.0			546	549	552	555	557	560	563	566	568	STANDARD ERR EST. 14.7
A 166.0		542	545	548	551	553	556	559	562	564	567	
T 163.0		541	544	547	549	552	555	557	560	563		
U 160.0	537	540	542	545	548	551	553	556	559	562		VALUES IN MM
R 157.0	536	538	541	544	547	549	552	555	558			
E 154.0	534	537	540	543	545	548	551	554				
151.0	533	536	539	541	544	547	549					
148.0	532	534	537	540	543	545						

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN POUNDS + STATURE IN INCHES---

ESTIMATES OF HEAD LENGTH												NO. 96 POUNDS
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	
68.0						74	74	75	75	75	75	MULTIPLE CORRELA- TION .356
67.0					73	74	74	74	75	75	75	
S 66.0				73	73	73	74	74	74	75	75	
T 65.0			72	73	73	73	73	74	74	74	75	STANDARD ERR EST. 2.5
A 64.0		72	72	72	73	73	73	74	74	74	74	
T 63.0		71	72	72	72	73	73	73	74	74		
U 62.0	71	71	72	72	72	72	73	73	73	74		VALUES IN IN/10
R 61.0	71	71	71	72	72	72	72	73	73			
E 60.0	70	71	71	71	72	72	72	73				
59.0	70	70	71	71	71	72	72					
58.0	70	70	71	71	71	71						

ESTIMATES OF HEAD BREADTH												NO. 97 POUNDS
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	
68.0						58	58	58	59	59	60	MULTIPLE CORRELA- TION .290
67.0					57	58	58	58	59	59	60	
S 66.0				57	57	58	58	59	59	59	60	
T 65.0			56	57	57	58	58	59	59	59	60	STANDARD ERR EST. 2.2
A 64.0		56	56	57	57	58	58	59	59	59	60	
T 63.0		56	56	57	57	58	58	59	59	59		
U 62.0	56	56	56	57	57	58	58	59	59	59		VALUES IN IN/10
R 61.0	56	56	56	57	57	58	58	59	59			
E 60.0	56	56	57	57	57	58	58	59				
59.0	56	56	57	57	57	58	58					
58.0	56	56	57	57	57	58						

ESTIMATES OF HEAD CIRCUMFERENCE												NO. 98 POUNDS
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	
68.0						219	221	222	223	224	226	MULTIPLE CORRELA- TION .426
67.0					218	219	220	221	223	224	225	
S 66.0				216	217	219	220	221	222	223	225	
T 65.0			214	216	217	218	219	221	222	223	224	STANDARD ERR EST. 5.8
A 64.0		213	214	215	216	218	219	220	221	223	224	
T 63.0		212	214	215	216	217	218	220	221	222		
U 62.0	211	212	213	214	216	217	218	219	220	222		VALUES IN IN/10
R 61.0	210	211	213	214	215	216	218	219	220			
E 60.0	210	211	212	213	215	216	217	218				
59.0	209	211	212	213	214	215	217					
58.0	209	210	211	213	214	215						

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN KILOGRAMS + STATURE IN CENTIMETERS---

ESTIMATES OF TRAGION TO TOP OF HEAD												NO. 99 KILOS
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	
178.0						131	132	132	133	133	134	MULTIPLE CORRELA- TION .267
175.0					130	131	131	132	132	133	133	
S 172.0				129	130	130	131	131	132	132	133	
T 169.0			128	128	129	129	130	130	131	131	132	STANDARD ERR EST. 7.4
A 166.0		127	127	128	128	129	129	130	130	131	131	
T 163.0		126	126	127	127	128	129	129	130	130		
U 160.0	125	125	126	126	127	127	128	128	129	129		VALUES IN MM
R 157.0	124	125	125	126	126	127	127	128	128			
E 154.0	123	124	124	125	125	126	127	127				
151.0	123	123	124	124	125	125	126					
148.0	122	123	123	124	124	125						

ESTIMATES OF ECTOCANTHUS TO TOP OF HEAD												NO. 100 KILOS
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	
178.0						123	123	124	124	124	124	MULTIPLE CORRELA- TION .241
175.0					122	122	122	123	123	123	123	
S 172.0				120	121	121	121	122	122	122	122	
T 169.0			119	120	120	120	120	121	121	121	122	STANDARD ERR EST. 8.9
A 166.0		118	118	119	119	119	119	120	120	120	121	
T 163.0		117	117	118	118	118	119	119	119	119		
U 160.0	116	116	116	117	117	117	118	118	118	118		VALUES IN MM
R 157.0	115	115	115	116	116	116	117	117	117			
E 154.0	114	114	115	115	115	115	116	116				
151.0	113	113	114	114	114	114	115					
148.0	112	112	113	113	113	114						

ESTIMATES OF PRONASALE TO TOP OF HEAD												NO. 101 KILOS
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	
178.0						155	155	155	155	155	156	MULTIPLE CORRELA- TION .241
175.0					153	153	154	154	154	154	154	
S 172.0				152	152	152	152	152	153	153	153	
T 169.0			150	151	151	151	151	151	151	151	152	STANDARD ERR EST. 11.4
A 166.0		149	149	149	149	149	150	150	150	150	150	
T 163.0		148	148	148	148	148	148	148	149	149		
U 160.0	146	146	146	147	147	147	147	147	147	147		VALUES IN MM
R 157.0	145	145	145	145	145	146	146	146	146			
E 154.0	143	144	144	144	144	144	144	144				
151.0	142	142	142	143	143	143	143					
148.0	141	141	141	141	141	142						

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN POUNDS + STATURE IN INCHES---

ESTIMATES OF TRAGION TO TOP OF HEAD												NO. 99
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
68.0						51	52	52	52	52	52	MULTIPLE CORRELA- TION .267
67.0					51	51	51	52	52	52	52	
S 66.0				50	51	51	51	51	52	52	52	
T 65.0			50	50	50	51	51	51	51	52	52	STANDARD ERR EST. 2.9
A 64.0		50	50	50	50	50	51	51	51	51	52	
T 63.0		49	50	50	50	50	50	51	51	51		
U 62.0	49	49	49	50	50	50	50	50	51	51		VALUES IN IN/10
R 61.0	49	49	49	49	50	50	50	50	50			
E 60.0	48	49	49	49	49	50	50	50				
59.0	48	48	49	49	49	49	50					
58.0	48	48	48	49	49	49						

ESTIMATES OF ECTOCANTHUS TO TOP OF HEAD												NO. 100
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
68.0						48	48	48	48	48	48	MULTIPLE CORRELA- TION .241
67.0					47	47	48	48	48	48	48	
S 66.0				47	47	47	47	47	48	48	48	
T 65.0			46	47	47	47	47	47	47	47	47	STANDARD ERR EST. 3.5
A 64.0		46	46	46	46	47	47	47	47	47	47	
T 63.0		46	46	46	46	46	46	46	47	47		
U 62.0	45	45	46	46	46	46	46	46	46	46		VALUES IN IN/10
R 61.0	45	45	45	45	45	46	46	46	46			
E 60.0	45	45	45	45	45	45	45	46				
59.0	44	44	45	45	45	45	45					
58.0	44	44	44	44	45	45						

ESTIMATES OF PRONASALE TO TOP OF HEAD												NO. 101
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
68.0						60	60	60	60	60	60	MULTIPLE CORRELA- TION .241
67.0					60	60	60	60	60	60	60	
S 66.0				59	59	59	59	59	59	59	60	
T 65.0			59	59	59	59	59	59	59	59	59	STANDARD ERR EST. 4.5
A 64.0		58	58	58	58	58	58	58	58	59	59	
T 63.0		58	58	58	58	58	58	58	58	58		
U 62.0	57	57	57	57	57	57	57	58	58	58		VALUES IN IN/10
R 61.0	57	57	57	57	57	57	57	57	57			
E 60.0	56	56	56	56	56	57	57	57				
59.0	56	56	56	56	56	56	56					
58.0	55	55	55	55	56	56						

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN KILOGRAMS + STATURE IN CENTIMETERS---

ESTIMATES OF SUBNASALE TO TOP OF HEAD												NO. 102
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						167	167	168	168	168	168	MULTIPLE CORRELA- TION .289
175.0					165	166	166	166	166	167	167	
S 172.0				164	164	164	164	165	165	165	165	
T 169.0			162	162	162	163	163	163	163	164	164	STANDARD ERR EST. 10.5
A 166.0		160	161	161	161	161	162	162	162	162	163	
T 163.0		159	159	159	160	160	160	160	161	161		
U 160.0	157	157	158	158	158	158	159	159	159	159		VALUES IN MM
R 157.0	156	156	156	156	157	157	157	157	158			
E 154.0	154	154	155	155	155	155	156	156				
151.0	153	153	153	154	154	154	154					
148.0	151	152	152	152	152	153						

ESTIMATES OF STOMION TO TOP OF HEAD												NO. 103
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						187	187	187	187	188	188	MULTIPLE CORRELA- TION .296
175.0					185	185	185	186	186	186	186	
S 172.0				183	183	184	184	184	184	185	185	
T 169.0			181	182	182	182	182	183	183	183	183	STANDARD ERR EST. 10.7
A 166.0		180	180	180	180	181	181	181	181	181	182	
T 163.0		178	178	178	179	179	179	179	180	180		
U 160.0	176	176	177	177	177	177	178	178	178	178		VALUES IN MM
R 157.0	175	175	175	175	176	176	176	176	177			
E 154.0	173	173	174	174	174	174	175	175				
151.0	172	172	172	172	173	173	173					
148.0	170	170	171	171	171	171						

ESTIMATES OF MENTON TO TOP OF HEAD												NO. 104
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						229	230	230	231	232	232	MULTIPLE CORRELA- TION .372
175.0					226	227	228	229	229	230	231	
S 172.0				224	225	225	226	227	227	228	229	
T 169.0			222	222	223	224	224	225	226	226	227	STANDARD ERR EST. 10.6
A 166.0		219	220	221	221	222	223	223	224	225	225	
T 163.0		218	218	219	220	220	221	222	222	223		
U 160.0	215	216	217	217	218	219	219	220	221	221		VALUES IN MM
R 157.0	213	214	215	216	216	217	218	218	219			
E 154.0	212	212	213	214	215	215	216	217				
151.0	210	211	211	212	213	214	214					
148.0	208	209	210	210	211	212						

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN POUNDS + STATURE IN INCHES---

ESTIMATES OF SUBNASALE TO TOP OF HEAD												NO. 102 POUNDS
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	
68.0						65	65	65	65	65	65	MULTIPLE CORRELA- TION .289
67.0					64	64	64	65	65	65	65	
S 66.0				64	64	64	64	64	64	64	64	
T 65.0			63	63	63	63	63	64	64	64	64	STANDARD ERR EST. 4.1
A 64.0		62	63	63	63	63	63	63	63	63	63	
T 63.0		62	62	62	62	62	63	63	63	63	63	
U 62.0	61	61	62	62	62	62	62	62	62	62	62	VALUES IN IN/10
R 61.0	61	61	61	61	61	61	62	62	62			
E 60.0	60	61	61	61	61	61	61	61				
59.0	60	60	60	60	60	60	61					
58.0	59	60	60	60	60	60						

ESTIMATES OF STOMION TO TOP OF HEAD												NO. 103 POUNDS
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	
68.0						72	73	73	73	73	73	MULTIPLE CORRELA- TION .296
67.0					72	72	72	72	72	72	72	
S 66.0				71	71	71	72	72	72	72	72	
T 65.0			71	71	71	71	71	71	71	71	71	STANDARD ERR EST. 4.2
A 64.0		70	70	70	70	70	71	71	71	71	71	
T 63.0		69	70	70	70	70	70	70	70	70	70	
U 62.0	69	69	69	69	69	69	70	70	70	70		VALUES IN IN/10
R 61.0	68	68	69	69	69	69	69	69	69			
E 60.0	68	68	68	68	68	68	68	69				
59.0	67	67	68	68	68	68	68					
58.0	67	67	67	67	67	67						

ESTIMATES OF MENTON TO TOP OF HEAD												NO. 104 POUNDS
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	
68.0						89	89	90	90	90	91	MULTIPLE CORRELA- TION .372
67.0					88	88	89	89	89	90	90	
S 66.0				87	88	88	88	88	89	89	89	
T 65.0			86	87	87	87	88	88	88	89	89	STANDARD ERR EST. 4.2
A 64.0		86	86	86	86	87	87	87	88	88	88	
T 63.0		85	85	86	86	86	86	87	87	87		
U 62.0	84	84	85	85	85	86	86	86	87	87		VALUES IN IN/10
R 61.0	84	84	84	84	85	85	85	86	86			
E 60.0	83	83	84	84	84	84	85	85				
59.0	82	83	83	83	84	84	84					
58.0	82	82	82	83	83	83						

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN KILOGRAMS + STATURE IN CENTIMETERS---

ESTIMATES OF TRACION TO WALL												NO. 105 KILOS
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	
178.0						105	106	106	107	108	108	MULTIPLE CORRELA- TION .220
175.0					104	104	105	106	107	107	108	
S 172.0				102	103	104	105	105	106	107	108	
T 169.0			101	102	103	104	104	105	106	106	107	STANDARD ERR EST. 8.8
A 166.0		100	101	102	102	103	104	105	105	106	107	
T 163.0		100	100	101	102	103	103	104	105	106		
U 160.0	99	99	100	101	101	102	103	104	104	105		VALUES IN MM
R 157.0	98	99	100	100	101	102	103	103	104			
E 154.0	98	98	99	100	101	101	102	103				
151.0	97	98	99	99	100	101	102					
148.0	97	98	98	99	100	100						

ESTIMATES OF ECTOCANTHUS TO WALL												NO. 106 KILOS
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	
178.0						168	169	170	172	173	174	MULTIPLE CORRELA- TION .308
175.0					166	167	169	170	171	172	173	
S 172.0				165	166	167	168	169	170	172	173	
T 169.0			163	164	165	166	167	169	170	171	172	STANDARD ERR EST. 9.2
A 166.0		161	162	163	165	166	167	168	169	170	172	
T 163.0		160	162	163	164	165	166	167	169	170		
U 160.0	159	160	161	162	163	165	166	167	168	169		VALUES IN MM
R 157.0	158	159	160	162	163	164	165	166	167			
E 154.0	157	159	160	161	162	163	165	166				
151.0	157	158	159	160	162	163	164					
148.0	156	158	159	160	161	162						

ESTIMATES OF PRONASALE TO WALL												NO. 107 KILOS
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	
178.0						217	218	220	221	222	224	MULTIPLE CORRELA- TION .363
175.0					215	216	218	219	220	222	223	
S 172.0				213	214	216	217	218	220	221	223	
T 169.0			211	212	213	215	216	218	219	220	222	STANDARD ERR EST. 9.0
A 166.0		209	210	211	213	214	216	217	218	220	221	
T 163.0		208	209	211	212	214	215	216	218	219		
U 160.0	206	207	209	210	212	213	214	216	217	219		VALUES IN MM
R 157.0	205	207	208	210	211	212	214	215	216			
E 154.0	205	206	207	209	210	212	213	214				
151.0	204	205	207	208	210	211	212					
148.0	203	205	206	208	209	210						

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN POUNDS + STATURE IN INCHES---

ESTIMATES OF TRAGION TO WALL												NO. 105
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
.....												
S T A T U R E	68.0					41	41	42	42	42	43	MULTIPLE CORRELA- TION .220
	67.0				41	41	41	42	42	42	43	
	66.0			40	40	41	41	41	42	42	42	
	65.0			40	40	40	41	41	41	42	42	42
	64.0		39	40	40	40	40	41	41	41	42	42
	63.0		39	39	40	40	40	41	41	41	42	STANDARD ERR EST. 3.5
	62.0	39	39	39	40	40	40	41	41	41	42	
	61.0	38	39	39	39	40	40	40	41	41		
	60.0	38	39	39	39	40	40	40	41			VALUES IN IN/10
59.0	38	38	39	39	39	40	40					
58.0	38	38	39	39	39	40						

ESTIMATES OF ECTOCANTHUS TO WALL												NO. 106
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
.....												
S T A T U R E	68.0					66	66	67	67	68	69	MULTIPLE CORRELA- TION .308
	67.0				65	66	66	67	67	68	68	
	66.0			64	65	66	66	67	67	68	68	
	65.0			64	64	65	65	66	66	67	67	68
	64.0		63	64	64	65	65	66	66	67	67	68
	63.0		63	63	64	64	65	65	66	67	67	STANDARD ERR EST. 3.6
	62.0	62	63	63	64	64	65	65	66	66	67	
	61.0	62	62	63	64	64	65	65	66	66		
	60.0	62	62	63	63	64	64	65	65	66		VALUES IN IN/10
59.0	62	62	63	63	64	64	65					
58.0	61	62	62	63	63	64						

ESTIMATES OF PRONASALE TO WALL												NO. 107
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
.....												
S T A T U R E	68.0					85	86	86	87	88	88	MULTIPLE CORRELA- TION .363
	67.0				84	85	86	86	87	87	88	
	66.0			83	84	85	85	86	87	87	88	
	65.0		83	83	84	84	85	86	86	87	88	
	64.0		82	82	83	84	84	85	86	86	87	87
	63.0		82	82	83	83	84	85	85	86	87	STANDARD ERR EST. 3.5
	62.0	81	81	82	83	83	84	84	85	85	86	
	61.0	81	81	82	82	83	83	84	84	85	85	
	60.0	80	81	82	82	83	83	84	84	85		
	59.0	80	81	81	82	83	83	84				
58.0	80	80	81	82	82	83						
												VALUES IN IN/10

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF HEIGHT AND STATURE

---WEIGHT IN KILOGRAMS + STATURE IN CENTIMETERS---

ESTIMATES OF SUBNASALE TO WALL												NO. 108
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
.....												
	178.0					200	202	203	205	206	207	MULTIPLE CORRELA- TION .320
	175.0				199	200	201	203	204	206	207	
S	172.0			197	198	200	201	202	204	205	206	
T	169.0		195	196	198	199	201	202	203	205	206	STANDARD ERR EST. 9.3
A	166.0	193	195	196	197	199	200	201	203	204	206	
T	163.0	193	194	195	197	198	200	201	202	204		
U	160.0	191	192	194	195	196	198	199	201	202	203	VALUES IN MM
R	157.0	190	192	193	195	196	197	199	200	201		
E	154.0	190	191	193	194	196	197	198	200			
	151.0	190	191	192	194	195	196	198				
	148.0	189	191	192	193	195	196					

ESTIMATES OF LIP PROTRUSION TO WALL												NO. 109
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
.....												
	178.0					195	197	198	200	201	203	MULTIPLE
	175.0				194	195	197	198	199	201	202	CORRELA-
S	172.0			192	194	195	196	198	199	201	202	TION
T	169.0		191	192	193	195	196	198	199	201	202	.271
A	166.0	189	190	192	193	195	196	198	199	201	202	
T	163.0	189	190	192	193	195	196	197	199	200		STANDARD
U	160.0	187	189	190	192	193	194	196	197	199	200	ERR EST.
R	157.0	187	189	190	191	193	194	196	197	199		10.2
E	154.0	187	188	190	191	193	194	196	197			
	151.0	187	188	190	191	193	194	195				VALUES
	148.0	187	188	190	191	192	194					IN MM

ESTIMATES OF MENTON TO WALL												NO. 110
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
.....												
	178.0					182	184	186	189	191	193	MULTIPLE
	175.0				181	183	185	187	189	191	193	CORRELA-
S	172.0			179	181	183	185	187	189	191	194	TION
T	169.0		177	179	182	184	186	188	190	192	194	.310
A	166.0		176	178	180	182	184	186	188	190	192	194
T	163.0		176	178	180	182	184	187	189	191	193	STANDARD
U	160.0	174	177	179	181	183	185	187	189	191	193	ERR EST.
R	157.0	175	177	179	181	183	185	187	189	192		10.8
E	154.0	175	177	180	182	184	186	188	190			VALUES
	151.0	176	178	180	182	184	186	188				IN MM
	148.0	176	178	180	182	185	187					

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN POUNDS + STATURE IN INCHES---

ESTIMATES OF SUBNASALE TO WALL												NO. 108
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
.....
68.0						79	79	80	81	81	82	MULTIPLE
67.0					78	79	79	80	81	81	82	CORRELA-
66.0				77	78	79	79	80	80	81	82	TION
65.0			77	77	78	78	79	80	80	81	81	.320
64.0		76	76	77	78	78	79	79	80	81	81	
63.0		76	76	77	77	78	79	79	80	81		STANDARD
62.0	75	75	76	77	77	78	79	79	80	80		ERR EST.
61.0	75	75	76	77	77	78	78	79	80			3.7
60.0	75	75	76	76	77	78	78	79				
59.0	74	75	76	76	77	77	78					VALUES
58.0	74	75	76	76	77	77						IN IN/10

ESTIMATES OF LIP PROTRUSION TO WALL												NO. 109
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
.....
68.0						77	78	78	79	80	80	MULTIPLE
67.0					76	77	78	78	79	80	80	CORRELA-
66.0				76	76	77	78	78	79	79	80	TION
65.0			75	76	76	77	78	78	79	79	80	.271
64.0		74	75	76	76	77	77	78	79	79	80	
63.0		74	75	75	76	77	77	78	79	79		STANDARD
62.0	74	74	75	75	76	77	77	78	79	79		ERR EST.
61.0	73	74	75	75	76	77	77	78	79			4.0
60.0	73	74	75	75	76	77	77	78				
59.0	73	74	75	75	76	77	77					VALUES
58.0	73	74	75	75	76	77						IN IN/10

ESTIMATES OF MENTON TO WALL												NO. 110
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
.....
68.0						72	73	74	75	76	77	MULTIPLE
67.0					72	73	73	74	75	76	77	CORRELA-
66.0				71	72	73	74	75	75	76	77	TION
65.0			70	71	72	73	74	75	76	77	77	.310
64.0		69	70	71	72	73	74	75	76	77	78	
63.0		69	70	71	72	73	74	75	76	77		STANDARD
62.0	69	70	70	71	72	73	74	75	76	77		ERR EST.
61.0	69	70	71	72	72	73	74	75	76			4.3
60.0	69	70	71	72	73	74	74	75				
59.0	69	70	71	72	73	74	75					VALUES
58.0	69	70	71	72	73	74						IN IN/10

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN KILOGRAMS + STATURE IN CENTIMETERS---

ESTIMATES OF SAGITTAL CURVATURE												NO. 111 KILOS
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	
178.0						357	358	359	360	361	362	MULTIPLE CORRELA- TION .298
175.0					355	356	357	358	359	360	361	
S 172.0				352	353	354	355	356	357	358	359	
T 169.0			350	351	352	353	354	355	355	356	357	STANDARD ERR EST. 14.2
A 166.0		347	348	349	350	351	352	353	354	355	356	
T 163.0		345	346	347	348	349	350	351	352	353		
U 160.0	343	344	345	346	347	348	349	350	351	352		VALUES IN MM
R 157.0	341	342	343	344	345	346	347	348	349			
E 154.0	340	341	342	343	344	345	346	347				
151.0	338	339	340	341	342	343	344					
148.0	337	338	339	340	340	341						

ESTIMATES OF BITRAGION-CORONAL CURVATURE												NO. 112 KILOS
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	
178.0						345	347	349	351	353	354	MULTIPLE CORRELA- TION .318
175.0					343	345	346	348	350	352	354	
S 172.0				340	342	344	346	347	349	351	353	
T 169.0			338	339	341	343	345	347	348	350	352	STANDARD ERR EST. 13.3
A 166.0		335	337	339	340	342	344	346	348	349	351	
T 163.0		334	336	338	340	341	343	345	347	349		
U 160.0	332	333	335	337	339	341	342	344	346	348		VALUES IN MM
R 157.0	331	333	334	336	338	340	342	343	345			
E 154.0	330	332	334	335	337	339	341	343				
151.0	329	331	333	335	336	338	340					
148.0	328	330	332	334	336	337						

ESTIMATES OF BIOCLULAR BREADTH												NO. 113 KILOS
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	
178.0						98	99	99	100	100	101	MULTIPLE CORRELA- TION .247
175.0					98	98	99	99	100	100	101	
S 172.0				97	98	98	98	99	99	100	100	
T 169.0			96	97	97	98	98	99	99	100	100	STANDARD ERR EST. 4.8
A 166.0		96	96	97	97	98	98	99	99	99	100	
T 163.0		95	96	96	97	97	98	98	99	99		
U 160.0	95	95	96	96	97	97	98	98	99	99		VALUES IN MM
R 157.0	94	95	95	96	96	97	97	98	98			
E 154.0	94	95	95	96	96	97	97	98				
151.0	94	94	95	95	96	96	97					
148.0	94	94	95	95	96	96						

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN POUNDS + STATURE IN INCHES---

ESTIMATES OF SAGITTAL CURVATURE												NO. 111 POUNDS
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	
68.0						140	140	141	141	141	142	MULTIPLE CORRELA- TION .298
67.0					139	139	140	140	141	141	141	
S 66.0				138	138	139	139	140	140	140	141	
T 65.0			137	137	138	138	139	139	139	140	140	STANDARD ERR EST. 5.6
A 64.0		136	136	137	137	138	138	138	139	139	140	
T 63.0		135	136	136	137	137	138	138	138	139		
U 62.0	134	135	135	136	136	137	137	137	138	138		VALUES IN IN/10
R 61.0	134	134	135	135	136	136	136	137	137			
E 60.0	133	134	134	135	135	135	136	136				
59.0	133	133	134	134	135	135						
58.0	132	133	133	134	134							

ESTIMATES OF BITRAGION-CORONAL CURVATURE												NO. 112 POUNDS
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	
68.0						136	137	137	138	139	140	MULTIPLE CORRELA- TION .318
67.0					135	135	136	137	138	139	139	
S 66.0				134	134	135	136	137	138	138	139	
T 65.0			132	133	134	135	136	137	137	138	139	STANDARD ERR EST. 5.2
A 64.0		131	132	133	134	135	135	136	137	138	139	
T 63.0		131	132	133	134	134	135	136	137	138		
U 62.0	130	131	132	132	133	134	135	136	137	137		VALUES IN IN/10
R 61.0	130	131	131	132	133	134	135	135	136			
E 60.0	130	130	131	132	133	134	134	135				
59.0	129	130	131	132	132	133	134					
58.0	129	130	131	131	132	133						

ESTIMATES OF BIOCLULAR BREADTH												NO. 113 POUNDS
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	
68.0						39	39	39	39	40	40	MULTIPLE CORRELA- TION .247
67.0					38	39	39	39	39	39	40	
S 66.0				38	38	39	39	39	39	39	40	
T 65.0			38	38	38	38	39	39	39	39	40	STANDARD ERR EST. 1.9
A 64.0		38	38	38	38	38	39	39	39	39	39	
T 63.0		37	38	38	38	38	39	39	39	39		
U 62.0	37	37	38	38	38	38	38	39	39	39		VALUES IN IN/10
R 61.0	37	37	37	38	38	38	38	39	39			
E 60.0	37	37	37	38	38	38	38	38				
59.0	37	37	37	38	38	38						
58.0	37	37	37	37	38	38						

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN KILOGRAMS + STATURE IN CENTIMETERS---

ESTIMATES OF BIAURICULAR BREADTH												NO. 114
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						161	162	163	164	164	165	MULTIPLE CORRELA- TION .220
175.0					159	160	161	162	163	164	165	
S 172.0				158	159	160	161	162	163	164	165	
T 169.0			157	158	159	160	161	162	163	164	165	STANDARD ERR EST. 9.3
A 166.0		156	157	158	159	160	161	162	163	164	164	
T 163.0		156	157	158	158	159	160	161	162	163		
U 160.0	154	155	156	157	158	159	160	161	162	163		VALUES IN MM
R 157.0	154	155	156	157	158	159	160	161	162			
E 154.0	154	155	156	157	158	159	160	161				
151.0	154	155	156	157	158	158	159					
148.0	153	154	155	156	157	158						

ESTIMATES OF BITRAGION BREADTH												NO. 115
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						130	131	132	133	134	135	MULTIPLE CORRELA- TION .393
175.0					129	130	131	132	133	134	135	
S 172.0				128	129	130	131	132	133	134	135	
T 169.0			127	128	129	130	131	132	133	134	135	STANDARD ERR EST. 4.6
A 166.0		126	127	128	129	130	131	132	133	134	135	
T 163.0		126	127	128	129	130	131	132	133	134		
U 160.0	125	126	127	128	129	130	131	132	133	134		VALUES IN MM
R 157.0	125	126	127	128	129	130	131	132	133			
E 154.0	125	126	127	128	129	130	131	132				
151.0	125	126	127	128	129	130	131					
148.0	125	126	127	128	129	130						

ESTIMATES OF BIZYGOMATIC BREADTH												NO. 116
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
178.0						130	131	133	134	135	136	MULTIPLE CORRELA- TION .358
175.0					129	130	131	132	134	135	136	
S 172.0				128	129	130	131	132	134	135	136	
T 169.0			127	128	129	130	131	132	133	135	136	STANDARD ERR EST. 5.4
A 166.0		126	127	128	129	130	131	132	133	135	136	
T 163.0		126	127	128	129	130	131	132	133	135		
U 160.0	125	126	127	128	129	130	131	132	133	134		VALUES IN MM
R 157.0	125	126	127	128	129	130	131	132	133			
E 154.0	125	126	127	128	129	130	131	132				
151.0	125	126	127	128	129	130	131					
148.0	125	126	127	128	129	130						

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN POUNDS + STATURE IN INCHES---

ESTIMATES OF BIAURICULAR BREADTH												NO. 114
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
.....												
	68.0					63	64	64	65	65	65	MULTIPLE CORRELA- TION .220
	67.0				63	63	64	64	64	65	65	
S	66.0			62	63	63	63	64	64	65	65	
T	65.0			62	63	63	63	64	64	65	65	STANDARD ERR EST. 3.6
A	64.0		61	62	62	63	63	64	64	65	65	
T	63.0		61	62	62	63	63	64	64	65		
U	62.0	61	61	61	62	62	63	63	64	64	64	VALUES IN IN/10
R	61.0	61	61	61	62	62	63	63	64	64		
E	60.0	60	61	61	62	62	63	63	64			
	59.0	60	61	61	62	62	62	63				
	58.0	60	61	61	62	62	62					

ESTIMATES OF BITRAGION BREADTH												NO. 115
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
.....												
	68.0					51	52	52	53	53	54	MULTIPLE
	67.0				51	51	52	52	53	53	54	CORRELA-
S	66.0			50	51	51	52	52	53	53	54	TION
T	65.0		50	50	51	51	52	52	53	53	54	.393
A	64.0	50	50	50	51	51	52	52	53	53	54	
T	63.0	50	50	50	51	51	52	52	53	53		STANDARD
U	62.0	49	49	50	51	51	52	52	53	53		ERR EST.
R	61.0	49	49	50	51	51	52	52	53			1.8
E	60.0	49	49	50	51	51	52	52				
	59.0	49	49	50	51	51	52					VALUES
	58.0	49	49	50	51	51						IN IN/10

ESTIMATES OF BIZYGOMATIC BREADTH												NO. 116
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
.....												
	68.0					51	52	52	53	53	54	MULTIPLE
	67.0				51	51	52	52	53	53	54	CORRELA-
S	66.0			50	51	51	52	52	53	53	54	TION
T	65.0		50	50	51	51	52	52	53	53	54	.358
A	64.0	49	50	50	51	51	52	52	53	53	54	
T	63.0		49	50	51	51	52	52	53	53		STANDARD
U	62.0	49	49	50	51	51	52	52	53	53		ERR EST.
R	61.0	49	49	50	51	51	52	52	53			2.1
E	60.0	49	49	50	51	51	52	52				
	59.0	49	49	50	50	51	51					VALUES
	58.0	49	49	50	50	51						IN IN/10

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN KILOGRAMS + STATURE IN CENTIMETERS---

ESTIMATES OF BIGONIAL BREADTH											NO. 117		
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS	
.....													
	178.0					102	103	104	106	107	108	MULTIPLE CORRELA- TION .350	
	175.0				101	102	104	105	106	107	108		
S	172.0			100	101	103	104	105	106	107	108		
T	169.0			99	100	102	103	104	105	106	107	108	STANDARD ERR EST. 5.3
A	166.0		98	99	101	102	103	104	105	106	107	109	
T	163.0		99	100	101	102	103	104	105	106	108		
U	160.0	98	99	100	101	102	103	104	105	107	108	VALUES IN MM	
R	157.0	98	99	100	101	102	103	105	106	107			
E	154.0	98	99	100	101	102	104	105	106				
	151.0	98	99	100	101	103	104	105					
	148.0	98	99	100	102	103	104						

ESTIMATES OF NASAL BREADTH											NO. 118	
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
.....
178.0						32	32	32	33	33	33	MULTIPLE CORRELA- TION .103
175.0					32	32	32	32	33	33	33	
S 172.0				32	32	32	32	32	33	33	33	
T 169.0			31	32	32	32	32	32	33	33	33	STANDARD ERR EST. 3.3
A 166.0		31	31	32	32	32	32	33	33	33	33	
T 163.0		31	32	32	32	32	32	33	33	33		
U 160.0	31	31	32	32	32	32	32	33	33	33		VALUES IN MM
R 157.0	31	31	32	32	32	32	32	33	33			
E 154.0	31	31	32	32	32	32	32	33				
151.0	31	32	32	32	32	32	33					
148.0	31	32	32	32	32	32						

ESTIMATES OF LIP LENGTH											NO. 119	
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
.....												
	178.0					44	44	45	45	45	45	MULTIPLE CORRELA- TION .085
	175.0				44	44	44	44	45	45	45	
S	172.0			44	44	44	44	44	45	45	45	
T	169.0			44	44	44	44	44	45	45	45	STANDARD ERR EST. 4.2
A	166.0		43	44	44	44	44	44	44	45	45	
T	163.0		43	43	44	44	44	44	44	45		
U	160.0	43	43	43	44	44	44	44	44	45		VALUES IN MM
R	157.0	43	43	43	44	44	44	44	44			
E	154.0	43	43	43	44	44	44	44				
	151.0	43	43	43	43	44	44					
	148.0	43	43	43	43	44						

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN POUNDS + STATURE IN INCHES---

ESTIMATES OF BIGONIAL BREADTH												NO. 117 POUNDS
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	
68.0						41	41	42	42	43	43	MULTIPLE CORRELA- TION .350
67.0					40	41	41	42	42	43	43	
S 66.0				40	40	41	41	42	42	43	43	
T 65.0			39	40	40	41	41	42	42	43	43	STANDARD ERR EST. 2.1
A 64.0		39	39	40	40	41	41	42	42	43	43	
T 63.0		39	39	40	40	41	41	42	42	43		
U 62.0	38	39	39	40	40	41	41	42	42	43		VALUES IN IN/10
R 61.0	38	39	39	40	40	41	41	42	42			
E 60.0	38	39	39	40	40	41	41	42				
59.0	38	39	40	40	41	41	42					
58.0	39	39	40	40	41	41						

ESTIMATES OF NASAL BREADTH												NO. 118 POUNDS
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	
68.0						13	13	13	13	13	13	MULTIPLE CORRELA- TION .103
67.0					13	13	13	13	13	13	13	
S 66.0				12	13	13	13	13	13	13	13	
T 65.0			12	12	13	13	13	13	13	13	13	STANDARD ERR EST. 1.3
A 64.0		12	12	13	13	13	13	13	13	13	13	
T 63.0		12	12	13	13	13	13	13	13	13		
U 62.0	12	12	12	13	13	13	13	13	13	13		VALUES IN IN/10
R 61.0	12	12	12	13	13	13	13	13	13			
E 60.0	12	12	12	13	13	13	13	13				
59.0	12	12	12	13	13	13	13					
58.0	12	12	13	13	13	13						

ESTIMATES OF LIP LENGTH												NO. 119 POUNDS
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	
68.0						17	17	18	18	18	18	MULTIPLE CORRELA- TION .085
67.0					17	17	17	18	18	18	18	
S 66.0				17	17	17	17	18	18	18	18	
T 65.0			17	17	17	17	17	17	18	18	18	STANDARD ERR EST. 1.7
A 64.0		17	17	17	17	17	17	17	18	18	18	
T 63.0		17	17	17	17	17	17	17	18	18		
U 62.0	17	17	17	17	17	17	17	17	18	18		VALUES IN IN/10
R 61.0	17	17	17	17	17	17	17	17	17			
E 60.0	17	17	17	17	17	17	17	17				
59.0	17	17	17	17	17	17	17					
58.0	17	17	17	17	17	17						

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN KILOGRAMS + STATURE IN CENTIMETERS---

ESTIMATES OF MENTON-SUBNASALE LENGTH											NO. 120	
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
.....												
	178.0					57	58	58	58	59	59	MULTIPLE CORRELA- TION .226
	175.0				57	57	57	58	58	59	59	
S	172.0			56	56	57	57	58	58	58	59	
T	169.0			55	56	56	57	57	58	58	59	STANDARD ERR EST. 5.0
A	166.0		54	55	55	56	56	57	57	57	58	
T	163.0		54	55	55	56	56	57	57	57	58	
U	160.0	54	54	54	55	55	56	57	57	57		VALUES IN MM
R	157.0	53	54	54	55	55	56	56	57			
E	154.0	53	53	54	54	55	55	56				
	151.0	53	53	54	54	55	55					
	148.0	53	53	53	54	55						

ESTIMATES OF MENTON-SELLION LENGTH											NO. 121	
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
.....
178.0						110	110	111	111	112	113	MULTIPLE CORRELA- TION .304
175.0					109	109	110	110	111	111	112	
S 172.0				108	108	109	109	110	110	111	111	
T 169.0			106	107	108	108	109	109	110	110	111	STANDARD ERR EST. 5.8
A 166.0		105	106	106	107	108	108	109	109	110	110	
T 163.0		105	105	106	106	107	108	108	109	109		
U 160.0	104	104	105	105	106	107	107	108	108	109		VALUES IN MM
R 157.0	103	104	104	105	105	106	107	107	108			
E 154.0	103	103	104	104	105	105	106	107				
151.0	102	103	103	104	104	105	105					
148.0	102	102	103	103	104	104						

ESTIMATES OF SUBNASALE-SELLION LENGTH											NO. 122	
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
.....												
	178.0					47	47	48	48	48	48	MULTIPLE CORRELA- TION .198
	175.0				47	47	47	47	47	48	48	
S	172.0			46	46	47	47	47	47	47	48	
T	169.0		46	46	46	46	47	47	47	47	47	STANDARD ERR EST. 4.0
A	166.0		45	45	46	46	46	46	47	47	47	
T	163.0		45	45	45	46	46	46	46	47		
U	160.0	44	45	45	45	46	46	46	46	46		VALUES IN MM
R	157.0	44	44	45	45	45	45	46	46			
E	154.0	44	44	44	45	45	45	45				
	151.0	44	44	44	44	45	45					
	148.0	43	44	44	44	44						

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN POUNDS + STATURE IN INCHES---

ESTIMATES OF MENTON-SUBNASALE LENGTH												NO. 120 POUNDS
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	
68.0						22	23	23	23	23	23	MULTIPLE CORRELA- TION .226
67.0					22	22	23	23	23	23	23	
S 66.0				22	22	22	22	23	23	23	23	
T 65.0			22	22	22	22	22	23	23	23	23	STANDARD ERR EST. 2.0
A 64.0		21	21	22	22	22	22	22	23	23	23	
T 63.0		21	21	22	22	22	22	22	23	23		
U 62.0	21	21	21	22	22	22	22	22	22	23		VALUES IN IN/10
R 61.0	21	21	21	21	22	22	22	22	22			
E 60.0	21	21	21	21	22	22	22	22				
59.0	21	21	21	21	21	22	22					
58.0	21	21	21	21	21	22						

ESTIMATES OF MENTON-SELLION LENGTH												NO. 121 POUNDS
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	
68.0						43	43	43	44	44	44	MULTIPLE CORRELA- TION .304
67.0					42	43	43	43	43	44	44	
S 66.0				42	42	43	43	43	43	44	44	
T 65.0			42	42	42	42	43	43	43	43	44	STANDARD ERR EST. 2.3
A 64.0		41	41	42	42	42	42	43	43	43	43	
T 63.0		41	41	42	42	42	42	43	43	43		
U 62.0	41	41	41	41	42	42	42	42	43	43		VALUES IN IN/10
R 61.0	40	41	41	41	41	42	42	42	42			
E 60.0	40	40	41	41	41	41	42	42				
59.0	40	40	41	41	41	41	42					
58.0	40	40	40	41	41	41						

ESTIMATES OF SUBNASALE-SELLION LENGTH												NO. 122 POUNDS
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	
68.0						18	18	19	19	19	19	MULTIPLE CORRELA- TION .198
67.0					18	18	18	18	19	19	19	
S 66.0				18	18	18	18	18	18	19	19	
T 65.0			18	18	18	18	18	18	18	19	19	STANDARD ERR EST. 1.6
A 64.0		18	18	18	18	18	18	18	18	18	19	
T 63.0		18	18	18	18	18	18	18	18	18		
U 62.0	17	17	18	18	18	18	18	18	18	18		VALUES IN IN/10
R 61.0	17	17	17	18	18	18	18	18	18			
E 60.0	17	17	17	17	18	18	18	18				
59.0	17	17	17	17	18	18	18					
58.0	17	17	17	17	17	18						

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN KILOGRAMS + STATURE IN CENTIMETERS---

ESTIMATES OF EAR LENGTH												NO. 123 KILOS
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	
178.0						53	54	55	55	56	57	MULTIPLE CORRELA- TION .282
175.0					53	53	54	55	55	56	56	
S 172.0				52	53	53	54	55	55	56	56	
T 169.0			51	52	53	53	54	54	55	56	56	STANDARD ERR EST. 4.3
A 166.0		51	51	52	53	53	54	54	55	56	56	
T 163.0		51	51	52	52	53	54	54	55	56		
U 160.0	50	51	51	52	52	53	54	54	55	55		VALUES IN MM
R 157.0	50	50	51	52	52	53	54	54	55			
E 154.0	50	50	51	52	52	53	53	54				
151.0	50	50	51	52	52	53						
148.0	50	50	51	51	52	53						

ESTIMATES OF EAR BREADTH												NO. 124 KILOS
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	
178.0						30	31	31	31	31	31	MULTIPLE CORRELA- TION .144
175.0					30	30	31	31	31	31	31	
S 172.0				30	30	30	30	31	31	31	31	
T 169.0			30	30	30	30	30	31	31	31	31	STANDARD ERR EST. 3.3
A 166.0		29	30	30	30	30	30	31	31	31	31	
T 163.0		29	29	30	30	30	30	30	31	31		
U 160.0	29	29	29	30	30	30	30	30	31	31		VALUES IN MM
R 157.0	29	29	29	30	30	30	30	30	31			
E 154.0	29	29	29	29	30	30	30	30				
151.0	29	29	29	29	30	30	30					
148.0	29	29	29	29	30	30						

ESTIMATES OF GRIP STRENGTH												NO. 125 KILOS
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	
178.0						330	339	347	356	365	373	MULTIPLE CORRELA- TION .381
175.0					317	326	335	343	352	360	369	
S 172.0				305	313	322	330	339	348	356	365	
T 169.0			292	300	309	318	326	335	344	352	361	STANDARD ERR EST. 52.7
A 166.0		279	288	296	305	314	322	331	339	348	357	
T 163.0		275	284	292	301	309	318	327	335	344		
U 160.0	262	271	280	288	297	305	314	323	331	340		VALUES IN 100GM
R 157.0	258	267	275	284	293	301	310	319	327			
E 154.0	254	263	271	280	289	297	306	314				
151.0	250	259	267	276	284	293	302					
148.0	246	254	263	272	280	289						

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN POUNDS + STATURE IN INCHES---

ESTIMATES OF EAR LENGTH												NO. 123	
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS	
.....													
S T A T U R E	68.0					21	21	22	22	22	22	MULTIPLE	
	67.0				21	21	21	22	22	22	22	CORRELA-	
	66.0			20	21	21	21	22	22	22	22	TION	
	65.0		20	20	21	21	21	22	22	22	22	.282	
	64.0		20	20	21	21	21	22	22	22	22	STANDARD	
	63.0		20	20	21	21	21	22	22	22			ERR EST.
	62.0	20	20	20	21	21	21	21	22	22			1.7
	61.0	20	20	20	21	21	21	21	22			VALUES	
	60.0	19	20	20	21	21	21	21					IN IN/10
	59.0	19	20	20	21	21	21						
58.0	19	20	20	21	21								

ESTIMATES OF EAR BREADTH												NO. 124
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	POUNDS
.....												
S T A T I S T I C I A N	68.0					12	12	12	12	12	12	MULTIPLE
	67.0					12	12	12	12	12	12	CORRELA-
	66.0				12	12	12	12	12	12	12	TION
	65.0			12	12	12	12	12	12	12	12	.144
	64.0		11	12	12	12	12	12	12	12	12	
	63.0		11	12	12	12	12	12	12	12		STANDARD
	62.0	11	11	12	12	12	12	12	12	12		ERR EST.
	61.0	11	11	12	12	12	12	12	12			1.3
	60.0	11	11	11	12	12	12	12				
	59.0	11	11	11	12	12	12					VALUES
58.0	11	11	11	12	12	12					IN IN/10	

ESTIMATES OF GRIP STRENGTH												NO. 125 POUNDS
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	
S T A T I S T I C A L	68.0					719	740	762	783	805	827	MULTIPLE CORRELA- TION .381
	67.0				690	711	733	754	776	797	819	
	66.0			660	682	703	725	747	768	790	811	
	65.0		631	653	674	696	717	739	761	782	804	
	64.0	602	623	645	667	688	710	731	753	774	796	
	63.0	594	616	637	659	681	702	724	745	767	STANDARD ERR EST. 116.3	
	62.0	565	587	608	630	651	673	694	716	738		759
	61.0	557	579	600	622	644	665	687	708	730		
	60.0	550	571	593	614	636	658	679	701			
	59.0	542	564	585	607	628	650	671				
58.0	534	556	578	599	621	642					VALUES IN LB/10	

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN KILOGRAMS + STATURE IN CENTIMETERS---

ESTIMATES OF STATURE AS REPORTED BY SUBJECTS											NO. 139	
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
.....												
	178.0					1800	1802	1804	1806	1809	1811	MULTIPLE CORRELA- TION .963
	175.0				1769	1771	1773	1776	1778	1780	1782	
S	172.0			1738	1740	1743	1745	1747	1749	1752	1754	
T	169.0		1707	1710	1712	1714	1716	1719	1721	1723	1725	STANDARD ERR EST. 16.7
A	166.0	1677	1679	1681	1683	1686	1688	1690	1692	1694	1697	
T	163.0	1648	1650	1653	1655	1657	1659	1661	1664	1666		
U	160.0	1617	1620	1622	1624	1626	1628	1631	1633	1635	1637	VALUES IN MM
R	157.0	1589	1591	1593	1595	1598	1600	1602	1604	1607		
E	154.0	1560	1562	1565	1567	1569	1571	1574	1576			
	151.0	1532	1534	1536	1538	1541	1543	1545				
	148.0	1503	1505	1507	1510	1512	1514					

ESTIMATES OF WEIGHT AS REPORTED BY SUBJECTS											NO. 140	
WEIGHT	42	46	50	54	58	62	66	70	74	78	82	KILOS
.....												
	178.0					618	654	690	726	762	799	MULTIPLE
	175.0				580	616	652	688	724	761	797	CORRELA-
S	172.0			542	578	614	650	686	723	759	795	TION
T	169.0		504	540	576	612	648	685	721	757	793	.974
A	166.0		466	502	538	574	610	647	683	719	755	792
T	163.0		464	500	536	573	609	645	681	717	754	STANDARD
U	160.0	426	462	498	535	571	607	643	679	716	752	ERR EST.
R	157.0	424	460	497	533	569	605	641	678	714		16.3
E	154.0	422	459	495	531	567	603	640	676			VALUES
	151.0	421	457	493	529	565	602	638				IN 100GM
	148.0	419	455	491	527	564	600					

TABLE XXXIV

REGRESSION ESTIMATES BASED ON COMBINATIONS OF WEIGHT AND STATURE

---WEIGHT IN POUNDS + STATURE IN INCHES---

ESTIMATES OF STATURE AS REPORTED BY SUBJECTS												NO. 139 POUNDS
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	
68.0						689	690	691	692	693	694	MULTIPLE CORRELA- TION .963
67.0					679	680	681	682	683	684	685	
S 66.0				668	669	670	671	672	673	674	675	
T 65.0			658	659	660	661	662	663	664	665	666	STANDARD ERR EST. 6.6
A 64.0		647	648	649	650	651	652	653	654	655	656	
T 63.0		638	639	640	641	642	643	643	644	645		
U 62.0	627	628	629	630	631	632	633	634	635	636		VALUES IN IN/10
R 61.0	618	619	619	620	621	622	623	624	625			
E 60.0	608	609	610	611	612	613	614	615				
59.0	598	599	600	601	602	603	604					
58.0	589	590	591	592	593	594						

ESTIMATES OF WEIGHT AS REPORTED BY SUBJECTS												NO. 140 POUNDS
WEIGHT	90	100	110	120	130	140	150	160	170	180	190	
68.0						1385	1475	1566	1656	1747	1837	MULTIPLE CORRELA- TION .974
67.0					1291	1381	1472	1562	1653	1744	1834	
S 66.0				1197	1288	1378	1469	1559	1650	1740	1831	
T 65.0			1103	1194	1284	1375	1465	1556	1646	1737	1827	STANDARD ERR EST. 36.0
A 64.0		1009	1100	1190	1281	1371	1462	1553	1643	1734	1824	
T 63.0		1006	1096	1187	1278	1368	1459	1549	1640	1730		
U 62.0	912	1003	1093	1184	1274	1365	1455	1546	1636	1727		VALUES IN LB/10
R 61.0	909	999	1090	1180	1271	1361	1452	1543	1633			
E 60.0	905	996	1087	1177	1268	1358	1449	1539				
59.0	902	993	1083	1174	1264	1355	1445					
58.0	899	989	1080	1170	1261	1352						

PART C

BIVARIATE AND RELATED FREQUENCY TABLES

SECTION XV

BIVARIATE TABLES

Bivariate frequency tables have traditionally played an important role in the use of anthropometric data by clothing and workspace designers. A group of such tables is presented in this section.

These tables represent a selection of about five hundred pairs of variables from the roughly ten thousand pairs available in this study. The pairs chosen were selected on the basis of the presumed potential usefulness of each table either in terms of assisting in the solution of specific design problems or in terms of helping to provide insight into and a general understanding of the way anthropometric variables vary. A sizeable number of these tables are ones specifically requested by the Clothing Branch of the Aeronautical Systems Division. Roughly half the tables involve either weight or stature and one of the 'major' measurement variables or involve head circumference and one of the head-face measurements.

Table XXXV provides a table of contents for this group of tables. The listings in table XXXV are in order by the variables' Visual Index numbers. Each table is listed only once and is to be found in the subgroup of the table corresponding to the variable with the smaller Visual Index number. Thus, for example, the table for neck circumference and spine-to-wrist length (sleeve length) is listed under neck circumference because the Visual Index number for neck circumference (36) is less than the Visual Index number for sleeve length (90). The bivariate tables are printed in the same sequence as they are listed in table XXXV, that is, first in order by the lower Visual Index number and then in order by the larger such number. These several hundred tables are collectively designated as table XXXVI.

The seventh table (page 737)-that for weight and stature-illustrates the form of all the tables. The values along the left edge of the table are the interval midpoints for weight, and the values across the top are interval midpoints for stature. These last values are written on two lines and

177
.25

is to be interpreted as 177.25.

The intervals were chosen on the same principles as were used in selecting the intervals for the univariate frequency tables of Part A (see page 45) except that the maximum number of rows or columns was chosen to be 25 rather than 50. In all cases, intervals were based on the units in which the variable was measured, and all interval widths are an integral multiple of the measurement unit. Hence, the intervals for weight and estimated weight are in pounds; for estimated stature, are in inches; but are in centimeters for all other measured variables.

For easy reference, beneath each table are listed the correlation coefficient, the means and standard deviations of the two variables involved, and regression equations for estimating each one in terms of the other. These values were computed from the ungrouped data and in many cases will differ slightly from the values which would result if the calculations had been based on the data as grouped in the table.

TABLE XXXV

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AGE	WEIGHT																				TOT ALS
	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	
57.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	1
55.00						1			1												1
53.00										1	1										2
51.00									1					1		1	1	1			5
49.00						2				1	1										3
47.00									1	1		1	2	2			2				9
45.00								1	2	1	1	1	1	3				1			13
43.00				1	1	1	3	1	1	5	6	1	3	1		3			1		28
41.00			1	1	1	1	4	3	4	1				3	1						21
39.00				1	1	1	2	3	2	4	2	2	2	3	4	1		1		1	29
37.00				1	1	1	1	3	3	5	1	4	2		2		1	1			28
35.00			2		1	1	1	4	2	4	7	4	5	1		1			1		35
33.00			1		3	3	2	5	4	7	3	1	6		4		2				44
31.00						1	3	1	4	2	2	4	1	2	2			1			23
29.00				1	1	3	3	6	4	6	4	7	5	1		1				1	44
27.00			2	2	4	4	8	10	9	11	8	7	5	5	2	2	1	1			82
25.00		1	2	4	8	19	19	13	21	19	4	10	3	3	4	6	2		3	1	144
23.00			2	5	13	27	32	25	25	27	27	20	14	10	6	1	3	2			241
21.00	1	1	4	23	34	34	45	55	56	53	46	33	29	19	5	7	3	3	1		451
19.00		2	9	26	45	55	89	90	102	80	68	47	45	22	14	6		1			701
TOTALS	1	4	22	61	113	152	209	221	241	231	181	142	122	72	49	30	17	14	7	3	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-AGE	22.93	6.45	0.087X	+	11.854	0.223
X-WEIGHT	127.28	16.59	0.573Y	+	114.144	16.17

A BIVARIATE FREQUENCY TABLE FOR
AGE AND STATURE

AGE	STATURE																			TOT ALS
	145	147	149	151	153	155	157	159	161	163	165	167	169	171	173	175	177	179	181	
57.00	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	1
55.00											1									1
53.00					1					1										2
51.00										1						2	1			5
49.00					1	1				1										3
47.00				1						2	1	3		1	1					9
45.00						2	1			2	5		1	1				1		13
43.00					2	1	4	2	3	1	4	1	4	4	1	1				28
41.00	1						2	1	2	2	7	2	2	2	1	1				21
39.00		1			2	1		1	2	4	7	4	3	2	2					29
37.00					2	1	1	4	2	6	3	2	1	2	3		1			28
35.00					1		4	4	6	2	2	3	7	2	2		1	1		35
33.00					3	1	7	4	4	4	5	2	3	4		5		1	1	44
31.00						3	3	1	1	3	3	2	2	3			2			23
29.00					2	1	2	5	2	6	6	5	6		1	1	1	1		44
27.00					3	3	6	10	5	15	7	9	11	3	3	4	1	1	1	82
25.00			1	2	4	5	13	14	17	20	20	12	17	6	10	1	1	1		144
23.00			2	3	8	11	17	24	27	31	30	22	19	19	13	10	1	3	1	241
21.00			2	7	14	25	36	47	50	65	55	42	38	33	13	15	3	4	1	451
19.00	1	2	4	18	34	65	70	87	101	87	69	73	38	29	14	4	1	3	1	701
TOTALS	2	8	17	60	88	160	190	211	260	241	183	187	125	82	53	13	14	9	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-AGE	22.93	6.45	0.052X	+	14.498	0.048
X-STATURE	162.10	6.00	0.045Y	+	161.072	6.00

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND TRICEPS SKINFOLD

TRICEPS SKINFOLD

	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	TOT
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
200.00											1					1	1					2
195.00																						2
190.00																						2
185.00																						7
180.00																						3
175.00																						7
170.00																						14
165.00																						17
160.00																						30
155.00																						49
150.00																						72
145.00																						122
140.00																						142
135.00																						181
130.00																						231
125.00																						241
120.00																						221
115.00																						209
110.00																						152
105.00																						113
100.00																						61
95.00																						22
90.00																						4
85.00																						1
TOTALS	8	33	77	163	214	252	259	292	220	153	112	50	28	24	8	7	1	1	0	1	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WEIGHT	127.28	16.59	1.819X +	92.662	13.31
X-TRICEPS SKINFOLD	19.03	5.44	0.196Y -	5.915	4.37

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND SUBSCAPULAR SKINFOLD

SUBSCAPULAR SKINFOLD

	5	7	9	11	13	15	17	19	21	23	25	27	29	31	33	35	37	TOT
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
200.00																		2
195.00																		2
190.00																		2
185.00																		7
180.00																		3
175.00																		7
170.00																		14
165.00																		17
160.00																		30
155.00																		49
150.00																		72
145.00																		122
140.00																		142
135.00																		181
130.00																		231
125.00																		241
120.00																		221
115.00																		209
110.00																		152
105.00																		113
100.00																		61
95.00																		22
90.00																		4
85.00																		1
TOTALS	18	261	395	369	297	200	118	95	58	33	22	16	8	5	7	2	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WEIGHT	127.28	16.59	1.932X +	102.438	13.69
X-SUBSCAPULAR SKINFOLD	12.86	4.85	0.165Y -	8.142	4.00

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND SUPRILIAC SKINFOLD

SUPRILIAC SKINFOLD

	5	7	9	11	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	TOT
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
200.00											1						1							2
195.00													1		1									2
190.00															2									2
185.00															1									7
180.00				1											1		2	1	1				1	7
175.00											1				1					1				3
170.00								1		1		3			3						1			7
165.00												3	3	3	1		1	2						14
160.00						2	1			3	3	3	3	3	1		2				1			17
155.00					4	2	2	8	4	6	7	3	3	3	3	1	2	2						30
150.00			1	1		3	7	12	8	12	7	7	6	4	3	1	2	2			2	1		49
145.00		2	3	1	8	8	9	11	13	22	8	13	8	6	5	2	2							72
140.00		2	1	2	6	10	10	14	18	18	14	14	12	12	5	1	1	1		1				122
135.00		1	9	4	5	8	14	28	28	32	14	18	11	6		3								142
130.00			7	16	15	26	32	27	26	23	25	17	12	4										181
125.00		3	9	11	28	30	28	39	29	24	9	13	11	3	3	1		1						231
120.00	3	8	8	13	28	28	30	28	26	17	17	6	5	4										241
115.00	2	6	12	23	29	29	30	30	26	10	5	3	2		1	1								221
110.00	1	12	13	25	19	21	13	21	14	6	3	3	1											209
105.00	1	6	15	13	22	16	12	12	5	6	2	2	1											152
100.00	2	11	8	11	7	7	5	3	3	3	1													113
95.00	3	5	7	1	1	3		1		1														61
90.00		1	2		1																			22
85.00	1																							4
TOTALS	13	57	95	122	169	192	189	224	210	181	125	111	79	55	30	23	12	8	1	2	5	1	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WEIGHT	127.28	16.59	1.377X +	100.123	13.49
X-SUPRILIAC SKINFOLD	19.72	7.01	0.246Y -	11.588	5.70

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND MEDIAL CALF SKINFOLD

MEDIAL CALF SKINFOLD

	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	TOT
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
200.00								1										1	2
195.00													1					1	2
190.00								1				1							2
185.00		1						1	1			1	2	1					7
180.00										1	1	1							3
175.00									1	1	1	2				1			7
170.00						1	1	3		2	3	1	2			1			14
165.00				1				2	4	3	1	1	1	2	1	1			17
160.00			1			2	3	4	5	2	1	7					1		30
155.00		1			1	1	2	6	10	4	8	4	3	7	1	1			49
150.00	2	1			2	1	3	10	15	13	7	6	4	5	2				72
145.00	4	2			5	2	12	15	23	14	14	15	8	5	1	1			122
140.00	1	2	4	1	8	11	18	21	18	23	18	7	8	1	1				142
135.00	4	2	1	4	7	19	29	32	22	26	19	7	5	2	2				181
130.00	4	3	4	4	16	28	44	38	25	37	14	10	1	1	1		1		231
125.00	5	1	3	8	28	33	35	30	45	26	14	6	5	1	1				241
120.00	5	3	3	5	15	34	43	38	41	11	18	4	1						221
115.00	3	2	1	13	24	40	44	35	23	14	5	3	1	1					209
110.00		3		2	7	21	27	35	20	19	13	2	1	2					152
105.00				6	13	20	25	22	11	6	5	4	1						113
100.00	1		3	4	13	12	20	7	1										61
95.00			1	4	3	3	7	1	1		1	1							22
90.00				2		2													4
85.00			1																1
TOTALS	30	21	30	73	161	255	333	295	240	192	133	62	46	16	10	3	2	3	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WEIGHT	127.28	16.59	1.162X +	108.752	15.46
X-MEDIAL CALF SKINFOLD	15.95	5.17	0.113Y +	1.564	4.82

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND STATURE

		STATURE																				TOT
		145	147	149	151	153	155	157	159	161	163	165	167	169	171	173	175	177	179	181	183	ALS
WEIGHT	200.00	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	2
	195.00									1					1			1				2
	190.00										1		1									2
	185.00										2	2				3						7
	180.00														2	1						3
	175.00											1	3	1			1				1	7
	170.00					1		1	1	1	1		2	1	2	1	1	2				14
	165.00								2	1	1	1	5	1	3	3						17
	160.00						1		3	1	4	1	6	4	5	3			1	1		30
	155.00							4	1	4	6	9	6	4	8	3	1	1	2			49
	150.00				1		2		3	2	10	9	18	14	7	5		1				72
	145.00			1				4	2	10	24	21	15	18	8	10	3	4	2			122
	140.00			1		1	7	11	9	15	19	17	23	22	8	3	4	1		1		142
	135.00				1	3	9	13	15	22	30	23	26	14	8	13	3					181
	130.00		1		5	5	14	14	28	35	39	35	26	12	13	3			1			231
	125.00			2	5	10	16	28	35	42	32	23	23	11	6	4	1					241
	120.00				6	11	18	27	38	44	22	23	13	12	4	1			1	1		221
	115.00		3	4	7	15	24	32	33	40	19	11	11	6	3	1						209
	110.00		2	2	8	18	23	26	20	21	17	4	5	2	2		2					152
	105.00		1	3	12	11	24	18	13	14	9	4	3	1								113
	100.00	2		1	11	10	14	7	7	5	3		1									61
	95.00		1	2	4	1	8	3	1	2												22
	90.00			1		1																4
	85.00					1																1
TOTALS		2	8	17	60	88	160	190	211	260	241	183	187	125	82	53	13	14	9	1	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-WEIGHT	127.28	16.59	1.471X	-	111.172	14.04
X-STATURE	162.10	6.00	0.193Y	+	137.536	5.08

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND STATURE, MAXIMUM

		STATURE, MAXIMUM																				TOT
		145	147	149	151	153	155	157	159	161	163	165	167	169	171	173	175	177	179	181	183	ALS
WEIGHT	200.00	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	2
	195.00									1	1				1			1				2
	190.00											.1		1								2
	185.00										1	2	1		3							7
	180.00													2			1					3
	175.00											1	1	3			1				1	7
	170.00					1		1	1	1	1	2		2	3	1	1	1	1			14
	165.00								1	2	1	1	4	1	4	1	2					17
	160.00							1	1	3	2	3	3	6	6	2	1		2			30
	155.00							3	1	3	3	12	5	5	7	5	2		3			49
	150.00					1	2		2	2	8	8	17	14	10	7		1				72
	145.00			1				4	1	8	22	15	18	20	12	10	3	6	2			122
	140.00			1			3	13	9	15	14	22	17	19	19	4	4	4	1	1	1	142
	135.00				1	2	7	8	20	19	27	26	25	19	8	13	4	1	1		1	181
	130.00			1	5	3	10	15	24	31	40	39	22	20	13	5	2		1			231
	125.00			1	5	6	12	31	33	37	40	22	18	18	8	6	1	2	1			241
	120.00				2	13	14	26	33	43	30	20	17	14	5	2			1	1		221
	115.00		2	3	5	16	21	26	34	37	27	12	12	10	1	3						209
	110.00		1	3	7	18	19	20	25	22	13	13	4	2	3	1	1					152
	105.00		1	3	9	5	21	27	13	15	8	4	5	2								113
	100.00	2		1	9	8	13	10	7	7	2	1		1								61
	95.00		1	2	2	2	7	5	1	2												22
	90.00				1	1		2														4
	85.00						1															1
TOTALS		2	5	16	46	76	130	192	206	248	240	202	171	157	103	62	21	12	13	2	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-WEIGHT	127.28	16.59	1.468X	-	111.632	14.03
X-STATURE, MAXIMUM	162.75	6.02	0.194Y	+	138.055	5.10

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND CERVICAL HEIGHT

CERVICAL HEIGHT

	121	123	125	127	129	131	133	135	137	139	141	143	145	147	149	151	153	155	157	TOT
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
200.00											1						1			2
195.00										1			1							2
190.00										1			1							2
185.00											4			2	1					7
180.00												1	1	1						3
175.00											1	2	2			1		1		7
170.00						1		1	2	1		2	3	2	3		1			14
165.00									1	3	1	2	3	3	2	2				17
160.00								2	3	1	3	3	6	6	4		1	1		30
155.00								1	4	1	4	8	9	5	7		2	1	1	49
150.00					1			2	1	3	3	13	16	15	13	3	1	1		72
145.00				1				2	2	7	15	21	23	18	17	7	6	2	1	122
140.00				1	1			10	12	8	20	23	22	16	17	7	2	3		142
135.00						5	11	14	17	35	26	25	18	15	9	4	2			181
130.00		1		1	4	9	11	24	33	42	30	38	17	16	4			1		231
125.00				1	6	14	19	28	42	49	33	17	17	8	5		1		1	241
120.00					4	16	25	28	45	39	26	17	9			1	1			221
115.00			2	3	11	16	30	33	44	30	16	9	11	3	1					209
110.00			1	2	12	16	30	24	27	15	12	6	3	2						152
105.00			1	5	8	10	30	22	15	11	5	5	1							113
100.00	1	1		3	8	12	13	10	7	3	2									61
95.00			1	3	2	3	5	6	1	1										22
90.00						2	1													4
85.00							1													1
TOTALS	1	2	6	20	57	104	191	211	256	274	225	197	145	121	55	17	15	6	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WEIGHT	127.28	16.59	1.625X - 98.911	13.95	0.541
X-CERVICAL HEIGHT	139.20	5.52	0.180Y + 116.285	4.64	

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND ACROMIAL HEIGHT

ACROMIAL HEIGHT

	115	117	119	121	123	125	127	129	131	133	135	137	139	141	143	145	147	149	151	TOT
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
200.00										1						1				2
195.00											1			1						2
190.00											3	1		1	1					7
185.00												1	2							3
180.00											3	1	1		1				1	7
175.00												1	1	4	1	1	1			14
170.00						1		1	1	2	1	3	4	3	2	2				17
165.00									3	2	4	2	4	8	3	2		2		30
160.00									1	1	2	4	6	10	7	6	3	1	1	49
155.00						1	1	1	2	6	6	17	12	15	8	2	1			72
150.00					1	1	1	6	15	20	20	18	21	6	7	4	2			122
145.00					3	6	8	10	18	23	24	19	14	9	6	1	1			142
140.00					1	2	7	9	27	29	28	21	25	14	9	7	2			181
135.00					4	4	16	14	34	39	36	38	22	15	6	1		1		231
130.00		1		2	3	7	15	30	43	38	37	26	20	10	6	2	2			241
125.00					3	8	20	26	49	39	28	22	13	6	4	2	1			221
120.00					5	8	11	19	37	45	38	16	14	9	4	2				209
115.00					3	11	13	18	30	32	21	9	7	2	4	2				152
110.00					5	7	17	18	22	17	3	7								113
105.00																				61
100.00	1	1		9	14	11	11	4	7	2		1								22
95.00			1	3	3	8	3	2	1	1										4
90.00																				1
85.00																				1
TOTALS	1	3	16	50	84	144	193	278	278	225	218	159	130	65	37	14	8	1	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WEIGHT	127.28	16.59	1.672X - 93.188	13.83	0.552
X-ACROMIAL HEIGHT	131.86	5.48	0.182Y + 108.695	4.57	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND SUPRASTERNALE HEIGHT

		SUPRASTERNALE HEIGHT																		TOT
		117	119	121	123	125	127	129	131	133	135	137	139	141	143	145	147	149	151	ALS
		.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
WEIGHT	200.00									1	1						1			2
	195.00												1							2
	190.00										1		1							2
	185.00									3	1	1	2							7
	180.00											1	2							3
	175.00										3	2			1					7
	170.00					1		1	2	2	1	1	1	3		2		1		14
	165.00						1	2	1	1	2	4	3	2						17
	160.00						1	1	3	4	3	2	8	4	2			2		30
	155.00						1	4	2	6	13	6	5	5	4		3			49
	150.00				1		3	1	5	9	18	14	13	7						72
	145.00			1			2	4	14	23	20	17	22	11	3	4	1			122
	140.00				2	5	11	10	19	20	20	24	17	8	3	2	1			142
	135.00				1	7	12	20	28	28	33	19	17	7	7	2				181
	130.00	1				7	13	16	28	44	42	32	25	18	4		1			231
	125.00		2	3	5	19	22	45	41	42	24	19	8	8	1	1	1			241
	120.00			2	5	19	27	47	44	32	21	11	9	2		2				221
	115.00		3	6	7	27	35	48	45	9	22	11	2	1	1					209
	110.00		1	10	15	24	24	27	22	13	6	7	2	1						152
	105.00		3	8	8	24	27	18	11	8	5	1								113
	100.00	2	2	2	15	13	12	5	7	2		1								61
	95.00		2	3	3	4	8	1			1									22
	90.00			2		1	1													4
	85.00				1															1
TOTALS		3	13	37	70	157	202	254	289	244	227	166	131	64	23	14	10	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-WEIGHT	127.28	16.59	1.729X	-	100.948	0.553
X-SUPRASTERNALE HGHT	132.00	5.30	0.177Y	+	109.472	4.42

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND BUSTPOINT HEIGHT

		BUSTPOINT HEIGHT																		TOT
		101	103	105	107	109	111	113	115	117	119	121	123	125	127	129	131	133	135	137
		.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
WEIGHT	200.00									1							1			2
	195.00									1			1							2
	190.00									1				1						2
	185.00									2	3		1	1						7
	180.00											2	1							3
	175.00											3	1	1				1		7
	170.00					1		1			2	2	1	3	1	2				14
	165.00								2	6	2	2	4			1				17
	160.00							2	3		4	4	3	7	4	1		2		30
	155.00							4	3	5	10	7	6	4	1	6	1	2		49
	150.00					1	1	2	5	8	10	13	14	8	7	2		1		72
	145.00					1	1	3	8	12	18	22	12	25	9	5	3		3	122
	140.00					4	4	10	10	17	20	22	24	16	8	5	1	1		142
	135.00					3	5	17	21	20	29	26	26	13	9	9	3			181
	130.00			1	3	5	7	18	30	39	46	33	28	10	7	3			1	231
	125.00				3	9	7	25	41	45	38	30	17	12	6	4	3		1	241
	120.00				1	6	13	24	43	42	41	19	14	8	6	2	2			221
	115.00				10	9	21	27	35	42	27	16	12	6	2		2			209
	110.00			1	5	9	17	29	29	20	19	11	6	3	2	1				152
	105.00		1	3	5	6	16	24	28	12	6	9	2	1						113
	100.00	1		1	3	6	12	14	11	5	4	4								61
	95.00		1			6	1	8	4	1			1							22
	90.00				1		1	1												4
	85.00						1													1
TOTALS		1	2	6	31	66	107	209	273	275	283	223	173	124	63	41	16	6	5	1 1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-WEIGHT	127.28	16.59	1.454X	-	44.754	0.457
X-BUSTPOINT HEIGHT	118.32	5.21	0.144Y	+	99.990	4.64

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND WAIST HEIGHT

WEIGHT	WAIST HEIGHT															TOT ALS
	87 .25	89 .25	91 .25	93 .25	95 .25	97 .25	99 .25	101 .25	103 .25	105 .25	107 .25	109 .25	111 .25	113 .25	115 .25	
200.00							1								1	2
195.00							1		1							2
190.00										2						2
185.00						1	1	2	1	2						7
180.00										3						3
175.00								2	2	1			2			7
170.00				1		3	1	2	3	3	1	3				14
165.00					1	1	1	3	4	3	2	3				17
160.00					2	2	2	4	6	3	6	5	2			30
155.00				1	1	1	8	8	12	4	6	4	4		1	49
150.00	1			1	1	2	1	12	29	11	10	3	1			72
145.00				2	1	9	17	15	30	22	15	6	4		1	122
140.00			2	4	11	9	12	31	28	20	17	7		1		142
135.00			1	5	10	20	28	35	32	24	15	7	2	2		181
130.00		2	3	8	19	35	38	48	45	20	10	1	2			231
125.00			5	9	25	36	51	40	36	17	18	1	1	2		241
120.00			2	16	22	44	52	36	28	10	7	1	1	1	1	221
115.00		3	5	13	39	38	47	30	24	6	1	1	2			209
110.00		3	5	26	26	28	30	17	13		4					152
105.00		2	6	17	25	25	20	11	4	2	1					113
100.00	1	2	3	12	20	11	7	3	2							61
95.00	1	1	2	5	4	7	1		1							22
90.00			1	1		1	1									4
85.00				1												1
TOTALS	3	13	35	122	203	273	320	297	300	153	113	42	21	6	4	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-WEIGHT	127.28	16.59	1.831X	-	56.328	0.497
X-WAIST HEIGHT	100.28	4.50	0.135Y	+	83.096	3.90

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND ABDOMINAL EXTENSION HEIGHT

WEIGHT	ABDOMINAL EXTENSION HEIGHT															TOT ALS
	79 .25	81 .25	83 .25	85 .25	87 .25	89 .25	91 .25	93 .25	95 .25	97 .25	99 .25	101 .25	103 .25	105 .25	107 .25	
200.00							1							1		2
195.00									2							2
190.00								1			1					2
185.00							1	1	3	1	1					7
180.00									1	2						3
175.00							1	2	1	1				1		7
170.00					1	1	2	1	1	5	2		1			14
165.00					1	1	1	3	6	1	3	1	1			17
160.00					1	1	4	2	7	4	5	4	2			30
155.00					1	4	7	9	7	5	4	6	3	2	1	49
150.00	1		1		2	1	1	13	19	16	12	4	1	1		72
145.00			1	1	1	5	13	15	24	24	21	11	3	2	1	122
140.00			3	4	8	10	14	27	19	24	18	10	4	1		142
135.00			1	3	4	14	31	33	30	30	17	11	3	4		181
130.00		1	1	9	13	18	41	58	31	32	19	5	2	1		231
125.00			2	11	14	27	45	50	35	30	15	6	5	1		241
120.00			2	6	18	32	53	43	32	17	11	3	2	1	1	221
115.00		1	6	9	25	38	45	33	29	16	3	3	1			209
110.00			3	12	32	29	28	23	13	8	4					152
105.00			4	7	18	31	26	15	7	2	3					113
100.00	1	1	2	3	19	13	12	6	4							61
95.00	1		1	2	7	4	5	1		1						22
90.00				1	1	2										4
85.00				1												1
TOTALS	3	3	27	69	166	230	331	336	271	219	139	65	28	15	3	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-WEIGHT	127.28	16.59	1.616X	-	23.251	0.431
X-ABDOMINAL EXT HGT	93.15	4.42	0.115Y	+	78.514	3.99

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND TROCHANTERIC HEIGHT

		TROCHANTERIC HEIGHT																	TOT
		69	71	73	75	77	79	81	83	85	87	89	91	93	95	97	ALS		
		.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25		
WEIGHT	200.00									1				1				2	
	195.00							1				1						2	
	190.00									1		1						2	
	185.00								2		5							7	
	180.00										2	1						3	
	175.00								1	4				2				7	
	170.00					1	1	2	1	1	4	2	1	1				14	
	165.00					1	2		3	2	5	3	1					17	
	160.00					1	3	2	6	3	3	8	3			1		30	
	155.00					1	3	6	10	5	8	9	4	2	1			49	
	150.00			1		2	3	5	13	21	15	7	4	1				72	
	145.00					4	4	16	14	32	24	17	6	4	1			122	
	140.00			2		8	8	20	32	24	24	13	7	3				142	
	135.00				3	8	17	33	30	41	33	9	3	1	2	1		181	
	130.00		1	3	2	17	36	52	32	45	27	10	4	1	1			231	
	125.00			3	9	13	44	39	53	40	26	7	3	3	1			241	
	120.00			4	5	22	43	45	49	24	16	7	2	2		1		221	
	115.00	1		4	18	27	36	44	43	16	12	6		2				209	
	110.00			4	21	27	29	24	25	15	4	3						152	
	105.00		4	5	6	20	29	21	19	5	4							113	
	100.00	1	1	3	6	16	16	6	9	1	2							61	
	95.00			3	3	5	5	3	2			1						22	
	90.00					1	2	1										4	
	85.00					1												1	
TOTALS		2	6	32	74	175	281	320	344	281	214	105	40	21	8	2	1905		

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-WEIGHT	127.28	16.59	1.788X	-	20.536	0.460
X-TROCHANTERIC HGHT	82.67	4.27	0.118Y	+	67.653	3.79

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND BUTTOCK HEIGHT

		BUTTOCK HEIGHT																	TOT
		65	67	69	71	73	75	77	79	81	83	85	87	89	91	93	95	97	ALS
		.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	
WEIGHT	200.00									1				1					2
	195.00										1			1					2
	190.00										1			1					2
	185.00									1	2	1	1	2					7
	180.00											3							3
	175.00										3	1	1		1		1		7
	170.00								3		1	2	4	2	2				14
	165.00								1	2	2	3	5	4					17
	160.00								3	3	4	9	4	4	2	1			30
	155.00					1	1			6	9	15	6	2	6	2	1		49
	150.00					1	2	3	5	16	22	15	5	2				1	72
	145.00						2	10	13	22	27	33	10	2	2	1			122
	140.00				2	1	13	15	16	23	30	25	10	5	1		1		142
	135.00					3	10	20	31	36	41	18	13	7	2				181
	130.00						8	25	29	54	44	30	25	9	1		1		231
	125.00		1	3	11	20	37	48	54	40	14	7	5	1	1				241
	120.00					12	24	47	53	41	21	10	7	5	1				221
	115.00			2	1	5	21	28	42	41	34	22	9	2	2				209
	110.00					10	15	34	31	22	23	12	4	1					152
	105.00				1	5	15	24	27	20	11	7	3						113
	100.00		1	1		1	2	7	12	19	11	5	1	1					61
	95.00				1	2	4		5	5	4		1						22
	90.00						2	1	1										4
	85.00						1												1
TOTALS		1	1	2	5	33	99	203	294	331	332	288	179	80	40	10	5	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-WEIGHT	127.28	16.59	1.863X	-	25.880	0.460
X-BUTTOCK HEIGHT	82.21	4.16	0.117Y	+	67.321	3.68

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND GLUTEAL FURROW HEIGHT

GLUTEAL FURROW HEIGHT

	59	61	63	65	67	69	71	73	75	77	79	81	83	85	87	TOT
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
200.00							1					1				2
195.00						1				1						2
190.00						1			1							2
185.00							2	2		3						7
180.00								2	1							3
175.00							1	2	2		1			1		7
170.00					1	2	1	1	2	4	2		1			14
165.00						1	4	1	3	6	2					17
160.00					3	2	3	8	4	4	3	3				30
155.00					1	2	7	14	7	4	7	5	1	1		49
150.00			1		3	2	8	18	15	17	3	2	2	1		72
145.00					5	7	11	23	26	31	13	4	1	1		122
140.00				7	5	19	21	20	26	24	13	5	2			142
135.00				2	6	25	40	38	26	19	18	4	2	1		181
130.00		1	1	6	16	34	41	47	42	24	17	1		1		231
125.00			1	3	21	37	47	49	40	23	14	2	2			241
120.00			3	6	20	34	40	60	28	15	9	5			1	221
115.00	1		4	7	26	41	40	39	28	15	6	2				209
110.00				8	21	38	40	24	14	4	2	1				152
105.00		1	2	13	16	23	30	13	11	2	2					113
100.00	2	1		4	10	17	14	9	3	1						61
95.00		1		2	4	9	3	2		1						22
90.00					1	1	2									4
85.00			1													1
TOTALS	3	4	13	58	159	296	356	372	279	198	112	35	11	8	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R	
Y-WEIGHT	127.28	16.59	1.531X +	15.977	15.44	0.366
X-GLUTEAL FURROW HGT	72.70	3.96	0.087Y +	61.627	3.69	

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND TIBIALE HEIGHT

TIBIALE HEIGHT

	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
200.00								1								1		2
195.00						1						1						2
190.00							1			1								2
185.00								1		2		2	1	1				7
180.00										2	1							3
175.00									2	1	1	1	2					7
170.00				1	1		1	2		2	2	1	1		3			14
165.00									5		5	3	1	3				17
160.00							3	4	2	4	6	5	2	1	1	1	1	30
155.00							4	5	9	8	9	3	3	2	1	3	2	49
150.00				2		1	1	8	6	13	16	11	8	3		3		72
145.00						2	4	10	16	23	23	22	15	4	3			122
140.00				1	2	8	8	21	26	25	12	21	6	5	5	1	1	142
135.00					5	9	11	21	30	33	33	15	13	8	2		1	181
130.00			2	2	9	9	19	46	29	41	30	27	7	8	1	1		231
125.00			1	1	9	16	28	28	54	38	30	21	7	7	1			241
120.00			1	3	8	10	34	41	46	30	23	10	7	5	3			221
115.00			2	4	12	21	24	42	45	31	18	4	3	2	1			209
110.00				1	8	28	31	19	27	21	8	8	1					152
105.00				6	5	18	19	29	18	10	7	1						113
100.00	1	1			8	6	16	15	8	4	2							61
95.00			1	1	2	7	3	7	1									22
90.00					1	3												4
85.00				1														1
TOTALS	1	1	7	21	72	139	207	308	326	287	226	156	77	49	21	10	5	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WEIGHT	127.28	16.59	2.847X + 7.758	15.14	0.408
X-TIBIALE HEIGHT	41.98	2.38	0.058Y + 34.680	2.17	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND CROTCH HEIGHT

	CROTCH HEIGHT														TOT ALS
	61 .25	63 .25	65 .25	67 .25	69 .25	71 .25	73 .25	75 .25	77 .25	79 .25	81 .25	83 .25	85 .25	87 .25	
200.00							1		1				1		2
195.00						1			2						2
190.00									1	2					2
185.00								1		1	2				7
180.00								3							3
175.00							2	2	1						7
170.00				1		3		2	3	2	2	1	1		14
165.00						1	2	3	2	6	1	2			17
160.00				1			4	9	2	5	4	5			30
155.00				1		3	5	11	11	5	3	7	1	2	49
150.00				2		5	5	16	19	15	5	4		1	72
145.00			1		1	8	12	26	24	24	18	6	1	1	122
140.00				4	6	13	23	33	19	23	14	4	1	2	142
135.00				2	12	19	26	41	36	24	13	6		2	181
130.00			4	4	20	30	47	47	43	23	10	2	1		231
125.00			2	8	16	32	53	66	28	21	11	2	2		241
120.00			2	11	17	47	53	39	27	15	5	4		1	221
115.00		1	4	10	32	39	51	33	26	7	3	2	1		209
110.00			3	13	27	34	33	22	14	2	4				152
105.00		2	2	13	16	24	29	13	11	1	2				113
100.00	2		2	6	18	10	10	11	1	1					61
95.00		1	1	2	6	9	2			1					22
90.00					1	2	1								4
85.00				1											1
TOTALS	2	4	21	79	172	280	360	380	271	177	95	46	9	9	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WEIGHT	127.28	16.59	1.772X - 4.740	14.97	0.431
X-CROTCH HEIGHT	74.50	4.03	0.105Y + 61.140	3.64	

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND LATERAL MALLEOLUS HEIGHT

HEIGHT	LATERAL MALLEOLUS HEIGHT								TOT ALS
	5 .00	5 .50	6 .00	6 .50	7 .00	7 .50	8 .00	8 .50	
200.00					1	1			2
195.00					1	1			2
190.00					1		1		2
185.00					2	3	1	1	7
180.00					1	1	1	1	4
175.00					3	1	1		5
170.00			2		8	1	3		14
165.00			1	4	8	2	2		17
160.00				6	14	7	2	1	30
155.00		1	4	15	15	6	7	1	49
150.00		1	6	18	20	18	8	1	72
145.00			1	10	28	40	31	4	122
140.00			6	12	37	58	19	8	142
135.00	2		3	26	45	72	25	8	181
130.00	2		7	34	55	83	33	15	231
125.00	4		4	33	60	104	29	6	241
120.00			3	41	60	79	30	6	221
115.00	1		6	40	65	71	19	7	209
110.00		2	5	32	46	49	12	5	152
105.00	3		9	22	34	34	10	1	113
100.00			1	19	17	19	4	1	61
95.00				9	8	4			22
90.00					3	1			4
85.00						1			1
TOTALS	14	47	291	507	687	252	90	17	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WEIGHT	127.28	16.59	6.963X + 80.116	16.08	0.246
X-LAT ^M L MALLEOLUS HT	6.77	0.59	0.009Y + 5.628	0.57	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND SITTING HEIGHT, RELAXED

SITTING HEIGHT, RELAXED

	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	TOT
WEIGHT	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
200.00													1					1						2
195.00													1											2
190.00												1	1											2
185.00								1							1									7
180.00																	1							3
175.00										2			1		1	1						1		7
170.00								1	1	1		1	2		4	1	1	1		1				14
165.00										2	2	1	1	2	2	2	1	2	1					17
160.00									1		2	1	4	7	3	7	1	1	2					30
155.00								3		2	2	10	8	10	5	4	1	1	1	1	1			49
150.00							1		1	3	2	8	12	9	15	3	8	3	5	1	1			72
145.00						1	1	3	4	9	14	8	16	18	16	12	9	6	2	2			1	122
140.00					2		1	2	6	5	15	18	14	17	19	16	15	3	3	2	1			142
135.00				2		5	4	7	10	22	21	23	26	17	18	11	7	4	3	1				181
130.00			1	1		5	9	15	16	21	21	28	34	35	17	17	10							231
125.00		1		2	4	3	11	22	28	32	30	34	26	17	13	9	4	3		1	1			241
120.00	1				10	6	16	15	14	31	26	35	23	20	10	5	4	4	1					221
115.00				4	1	9	14	25	24	30	33	24	16	15	8	3	3							209
110.00			1	2	7	10	8	12	25	20	21	15	10	10	7	1	3							152
105.00			1	3	6	8	7	15	22	17	13	7	5	5	2	2								113
100.00		2		2	4	8	6	14	10	5	4	1	2	2		1								61
95.00				1	2	4	3	4	3	2	1	1		1										22
90.00						1		2			1													4
85.00											1													1
TOTALS	1	3	3	17	36	62	82	146	166	215	216	216	203	198	126	99	52	32	16	10	4	1	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WEIGHT	127.28	16.59	2.303X -	66.810	14.80
X-SITTING HT, RELAXED	84.28	3.25	0.089Y +	72.950	2.90

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND SITTING HEIGHT

SITTING HEIGHT

	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	TOT
WEIGHT	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
200.00												1					1						2
195.00												2					1						2
190.00												1											7
185.00							1						3				1						3
180.00										1	1				2					1			7
175.00									1	2		1	5	1	1				1	1			14
170.00						1		1	2	2		4	2		2	3	1						17
165.00								1	1	1	1	2	4	5	6	4	2	1	1	1			30
160.00										5	8	9	5	8	6	1	2	1	1	1			49
155.00							2		2	5	12	9	11	8	9	3	7	3					72
150.00						1		2	3	1	5	15	12	13	19	12	21	5	9	2	1		122
145.00					1		4	5	10	22	19	14	22	18	14	7	1	2	3				142
140.00				2		1	2	7	9	15	25	28	27	17	19	12	7	3	7				181
135.00					1	4	3	17	11	29	20	32	31	25	24	20	11	2	1				231
130.00																							241
125.00	1		2	1	2	10	17	28	33	35	34	25	25	9	8	2	5	2	1	1			221
120.00			1	1	7	16	14	18	22	31	26	34	22	15	6	4	2	2					209
115.00			2	3	5	11	21	30	28	34	26	16	18	10	3	2							152
110.00			1	3	9	10	13	24	17	26	12	15	10	4	4	1	2						113
105.00				2	6	6	5	18	20	18	18	6	5	5	1	1	2						61
100.00		2		4	6	6	13	12	6	6	1	4											22
95.00			1	1	5	2		2	3		1	1											4
90.00							2	1															1
85.00										1													
TOTALS	3	1	11	21	47	68	139	165	190	249	221	209	193	142	114	53	40	24	9	5	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WEIGHT	127.28	16.59	2.519X -	88.344	14.54
X-SITTING HEIGHT	85.60	3.17	0.092Y +	73.890	2.78

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND EYE HEIGHT, SITTING

EYE HEIGHT, SITTING

	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
200.00														1			1				2
195.00										1							1				2
190.00													1	1							2
185.00											1			2			1				7
180.00									1							2			1		3
175.00										1		2		1	2					1	7
170.00									1	3			1	2	3	1	1		1		14
165.00									1	1	1	2	2	1	3	1	1	2			17
160.00													2	4	3	4	4	2	1	2	30
155.00							1	2	1	3	8	5	11	7	6	1	2	1	1		49
150.00								3	5	5	11	6	9	12	7	7	3	2	2		72
145.00					2	1	1	4	6	14	18	13	16	18	8	12	4	1	2	2	122
140.00						1	2	5	14	21	15	27	14	9	17	12	3				142
135.00			1			1	4	5	8	17	17	32	27	26	16	12	7	5	2	1	181
130.00				1	2	5	7	18	24	26	26	33	31	25	18	9	4	1		1	231
125.00				3	7	6	11	32	30	34	29	29	26	14	8	6	2	2	2		241
120.00				2	7	9	15	17	26	29	31	26	22	20	9	4	1	2			221
115.00	1			1	3	5	9	18	26	35	31	36	19	12	8	2	2	1			209
110.00			1	1	7	15	9	17	24	24	12	17	11	6	3	2	2	1			152
105.00		1	2	3	2	6	9	24	19	16	12	7	3	7	1	1					113
100.00		1	2		6	6	14	5	12	9	3	2	1								61
95.00				2	3	4	5	2	2	1	2		1								22
90.00				1						2											4
85.00										1											1
TOTALS	1	3	7	16	42	66	97	165	222	237	245	216	192	156	101	70	34	16	13	6	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WEIGHT	127.28	16.59	2.429X -	51.746	14.83
X-EYE HEIGHT, SITTING	73.70	3.06	0.083Y +	63.140	2.73

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND MIDSHOULDER HEIGHT, SITTING

MIDSHOULDER HEIGHT, SITTING

	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
200.00												1		1				2
195.00												1		1				2
190.00										1		1						2
185.00							1							1	1			7
180.00										1				1	1			3
175.00							1		1	1	2		1			1		7
170.00							1		2	3	2	4				2		14
165.00								3	3	3	1	2	4	1				17
160.00							1	1	5	4	6	5	3	1	2	1	1	30
155.00						1	8	6	4	10	8	5	5	1		1		49
150.00					1	3	6	8	9	15	9	10	4	6			1	72
145.00				1	2	5	11	15	20	26	11	16	7	3	4		1	122
140.00					9	6	15	18	27	31	11	13	6	4	1	1		142
135.00			1	3	9	16	22	34	28	21	17	17	8	5				181
130.00							8	18	37	37	34	24	14	8	4	1		231
125.00		2	4	10	18	36	36	50	29	26	14	8	5	2	1			241
120.00		2	6	12	17	23	33	43	31	29	12	9	3	1				221
115.00		1	7	17	18	37	37	39	18	18	11	3	1	2				209
110.00		2	6	15	20	25	24	23	10	10	14	1	1	1				152
105.00		1	9	11	18	25	19	13	8	5	2							113
100.00	1	2	7	12	11	8	8	7	1		3							61
95.00		3	3	2	3	3	5	3										22
90.00					1	1	1											4
85.00							1											1
TOTALS	3	14	45	90	135	208	266	300	233	242	147	110	57	35	14	3	3	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WEIGHT	127.28	16.59	3.103X -	52.685	14.39
X-MIDSHOULDER HT, SIT	58.00	2.66	0.080Y +	47.815	2.31

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND WAIST HEIGHT, SITTING

WAIST HEIGHT, SITTING

	18	18	19	19	20	20	21	21	22	22	23	23	24	24	25	25	26	26	27	27	28	28	29	TOT
	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	ALS
200.00														1							1			2
195.00																			1	1				2
190.00											1								1					2
185.00					1			1						1			3		1					7
180.00															1			2						3
175.00										2		1	2	2										7
170.00									1				1	3	5	3	1							14
165.00											2	1	3	5	1	1	1						1	17
160.00											4	2	1	4	2	3	4	1			1		1	30
155.00								1	4	6	3	5	3	6	8	4	3	1	2	1	2			49
150.00						3	1		4	2	5	4	8	13	8	10	6	1	4	2	1			72
145.00			1		3	2		3	7	6	20	11	22	14	9	9	4	4	3	4				122
140.00				1	1	2	5	5	11	5	15	17	15	18	16	18	4	4	3	2				142
135.00		1	1	1	4	5	4	8	12	15	16	21	23	20	21	10	12	5	2					181
130.00		1						8	22	15	21	29	27	21	24	16	15	10	3	1	3			231
125.00		1		1	5	6	15	15	22	24	26	22	34	21	23	8	7	8	3			1		241
120.00			3	3	3	5	12	17	22	22	13	32	32	19	18	7	7	1	2	3				221
115.00			2	1	5	5	12	15	35	27	21	24	18	24	10	4	3	3						209
110.00	2	1	1	1	4	4	4	16	21	19	18	24	17	8	8	3			1					152
105.00		2		1	4	4	6	15	10	13	8	21	14	7	5	2		1						113
100.00	1		2		2	3	6	10	10	6	6	8	4	1	2									61
95.00			1		3	2	4	5	2	3	1	1												22
90.00						1			1		1		1											4
85.00												1												1
TOTALS	3	6	12	12	42	51	86	128	179	171	200	215	212	189	150	95	66	34	28	17	6	0	3	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WEIGHT	127.28	16.59	3.694X +	40.962	15.30
X-WAIST HGHT, SITTING	23.37	1.73	0.040Y +	18.276	1.60

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND ELBOW REST HEIGHT

ELBOW REST HEIGHT

	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
200.00									1								2
195.00										1			1				2
190.00											1						2
185.00					1				2			1			1		7
180.00										1				1			3
175.00			1			1		1		1	2	1					7
170.00						2	1		1	4	1	4		1			14
165.00							1	4	2	3	1	3					17
160.00							3	2	6	5	5	6	1		1		30
155.00			1			4	5	6	12	7	4	2	2	1		1	49
150.00				1	3	2	6	13	9	15	9	6	3	3	2		72
145.00			3		8	6	17	21	15	20	14	5	5	4	4		122
140.00				1	4	16	8	23	21	28	17	13	3	4	4		142
135.00			2	2	5	17	20	33	33	16	24	12	10	1	5	1	181
130.00			1	3	10	21	23	31	38	32	22	25	14	9	2		231
125.00			2	3	12	26	35	28	40	39	27	17	5	4	3		241
120.00				2	5	12	21	23	29	35	25	18	10	3	3		221
115.00		1		4	13	23	27	26	27	33	26	11	6	6	4		209
110.00	1		1	3	10	17	15	23	24	18	16	14	9			1	152
105.00				3	8	16	16	19	16	19	13	1	2				113
100.00	1		1	6	4	8	10	12	9	5	1	2	1	1			61
95.00		1		1	1	1	5	4	4	2	3						22
90.00								1	1	1							4
85.00												1					1
TOTALS	2	4	12	33	93	182	215	283	295	286	211	143	72	40	31	3	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WEIGHT	127.28	16.59	1.080X +	102.759	16.37
X-ELBOW REST HEIGHT	22.71	2.46	0.024Y +	19.651	2.43

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND POPLITEAL HEIGHT

POPLITEAL HEIGHT																	
WEIGHT	33	34	35	36	37	38	39	40	41	42	43	44	45	46	TOT		
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS		
200.00							1	1			1			1	2		
195.00															2		
190.00								1	1						2		
185.00							1		2			1			7		
180.00							1		1	3					3		
175.00								2		2	1	2			7		
170.00						1	2	3	1	4		1	2		14		
165.00							3		7	3	2	2			17		
160.00					1		1	7	6	6	6	1	1	1	30		
155.00						2	2	10	12	9	4	4	3	3	49		
150.00				1	1	3	3	16	21	12	10	3	2		72		
145.00				1		2	15	18	30	25	19	8	4		122		
140.00			1	1	4	6	24	29	29	17	20	7	4		142		
135.00			1		5	12	15	32	54	37	15	6	3	1	181		
130.00			2	2	12	15	42	49	56	28	18	6	1		231		
125.00			3	6	12	12	37	70	58	25	12	5	1		241		
120.00		1		3	8	19	42	74	41	20	4	7	1	1	221		
115.00		1	3	4	12	22	35	63	39	22	2	3		3	209		
110.00			2	7	12	18	35	43	24	9	2				152		
105.00		1	1	3	5	22	26	32	18	4			1		113		
100.00	1	1	1		8	7	14	24	4	1					61		
95.00		1			1	3	5	5	1					1	22		
90.00				1			2	1							4		
85.00							1								1		
TOTALS	1	5	14	30	83	146	307	480	405	228	116	56	23	11	1905		

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-WEIGHT	127.28	16.59	3.299X	-	8.134	0.370
X-POPLITEAL HEIGHT	41.05	1.86	0.042Y	+	35.702	1.73

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND BUTTOCK-POPLITEAL LENGTH

BUTTOCK-POPLITEAL LENGTH																						
	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
WEIGHT	200.00											1					1					2
	195.00									1	1											2
	190.00																2					2
	185.00												2	2			2					7
	180.00									1			1		1							3
	175.00									1						1					1	7
	170.00							1	1	2	1	3	2	2	2	3		2				14
	165.00												2	2	2	3	1					17
	160.00						1	1	2	4	1	5	2	7	3	2	2					30
	155.00						1	1	4	1	6	13	10	6	3	3	1					49
	150.00							5	3	4	8	19	14	5	5	2	4					72
	145.00				4		1	3	7	13	21	28	17	13	4	7	3	1				122
	140.00				1	3	8	8	19	27	19	25	14	6	6	4	1		1			142
	135.00				2	1	13	15	22	30	25	28	21	14	5	3	1			1		181
	130.00					6	24	29	30	39	44	29	12	10	2	2	3					231
	125.00				2	9	23	28	41	46	37	19	18	8	4	3	1	2				241
	120.00			1	6	14	26	44	32	33	29	14	12	6	3		1					221
	115.00		1		6	8	18	36	41	35	31	11	12	4	3	3						209
	110.00			3	2	5	15	39	27	24	21	10	3	2			1					152
	105.00				4	12	15	21	18	23	12	5	2	1								113
100.00		1	1	2	7	7	15	18	5	3	2										61	
95.00		1			5	3	4	3	5				1								22	
90.00																					4	
85.00		1																			1	
TOTALS	1	3	4	17	49	96	212	243	255	268	222	207	136	83	47	28	25	7	1	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-WEIGHT	127.28	16.59	3.398X	-	34.839	0.565
X-BUTTOCK-POPLIT*L L	47.71	2.76	0.094Y	+	35.746	2.28

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND BUTTOCK-KNEE LENGTH

BUTTOCK-KNEE LENGTH

	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
200.00														1					1	2
195.00											1	1								2
190.00																	1			2
185.00													1	2	3					7
180.00											1	1	1				1			3
175.00												2	1	2				1		7
170.00									1			2	3	3	2	1				14
165.00												4	3	1	4	2	2			17
160.00										1	4	4	6	4	3	3		1		30
155.00								1	2	1	2	2	11	10	13	5	1	1		49
150.00									1	3	5	13	17	16	9	2	5	1		72
145.00									2	7	11	28	26	22	13	8	5			122
140.00						1	6	7	19	24	26	28	16	9	4	2				142
135.00						2	9	13	27	31	25	38	17	13	3	3				181
130.00						4	16	27	50	47	44	21	12	7	2	1				231
125.00						3	7	16	35	51	56	33	24	9	4	3				241
120.00						1	3	11	34	42	54	35	21	10	6	2	2			221
115.00				5	1	8	25	29	48	48	22	14	5	2	2					209
110.00					1	12	38	23	31	31	12	1								152
105.00				1	10	16	21	18	21	17	6	3								113
100.00	1	1			9	5	20	13	7	2	3									61
95.00	1				1	1	2	7	9			1								22
90.00				1	1	1														4
85.00				1																1
TOTALS	2	1	9	24	50	136	176	236	312	258	223	195	123	89	39	25	5	1	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WEIGHT	127.28	16.59	4.371X -	123.736	11.94
X-BUTTOCK-KNEE LGTH	57.43	2.63	0.110Y +	43.427	1.90

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND ACROMION-RADIALE LENGTH

ACROMION-RADIALE LENGTH

	25	26	26	27	27	28	28	29	29	30	30	31	31	32	32	33	33	34	34	35	35	36	36	TOT
	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	ALS
200.00													1						1					2
195.00																								2
190.00																								2
185.00																								7
180.00																								3
175.00																								7
170.00																								14
165.00																								17
160.00																								30
155.00																								49
150.00																								72
145.00																								122
140.00																								142
135.00																								181
130.00																								231
125.00																								241
120.00																								221
115.00																								209
110.00																								152
105.00																								113
100.00																								61
95.00																								22
90.00																								4
85.00																								1
TOTALS	2	5	4	4	21	49	87	96	144	191	240	215	224	173	191	101	81	40	18	5	7	6	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WEIGHT	127.28	16.59	4.501X -	12.276	14.89
X-ACROMION-RADIALE L	31.01	1.63	0.043Y +	25.533	1.46

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND RADIALE-STYLION LENGTH

		RADIALE-STYLION LENGTH																				TOT
		19	19	20	20	21	21	22	22	23	23	24	24	25	25	26	26	27	27	28	ALS	
		.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00		
WEIGHT	200.00									1							1				2	
	195.00											2									2	
	190.00									1	1	1									2	
	185.00									2	1	1	2			1					7	
	180.00									1	1	1	1								3	
	175.00											1	2		3			1			7	
	170.00						1		1	1		4	1	3	1	1	1			1	14	
	165.00							1		1	1	2	3	3	1	1	3	1			17	
	160.00								3	3	5	4	2	5	3	3	3	1	1		30	
	155.00				1					1	2	10	11	7	3	5	2	2	3		49	
	150.00					1	1	1		4	4	16	17	10	6	6	2	1			72	
	145.00		1			2	2	4		4	15	15	19	22	11	10	4	11	1		122	
	140.00			1	2	1	4	12	17	14	19	26	12	9	14	7	3	1			142	
	135.00			1	3	1	4	15	14	28	18	34	26	17	13	4	2	1		1	181	
	130.00				1	1	4	14	23	20	32	53	30	26	14	4	4	1	3	1	231	
	125.00			1		4	3	14	14	34	40	38	36	24	14	8	4	3	4		241	
	120.00				2	3	5	14	24	41	31	43	19	16	10	7	5	1			221	
	115.00		1		2	6	8	13	30	31	31	29	16	28	5	4	3	1	1		209	
	110.00				2	9	7	20	18	28	20	14	18	10	3	2	1				152	
	105.00					4	10	17	15	20	16	15	5	5	5	1					113	
	100.00				3		6	5	9	12	8	10	4	3	1						61	
	95.00				1	1	3	1	3	7	2	2	1			1					22	
	90.00							1	3												4	
	85.00							1													1	
TOTALS		1	3	12	34	54	113	173	238	252	295	251	200	105	78	47	28	15	5	1	1905	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WEIGHT	127.28	16.59	4.557X + 20.709	15.37	0.376
X-RADIALE-STYLION L	23.39	1.37	0.031Y + 19.441	1.27	

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND THUMB-TIP REACH

		THUMB-TIP REACH																										TOT
		62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	ALS	
		.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75		
WEIGHT	200.00														1												2	
	195.00														1												2	
	190.00														1												2	
	185.00									1			1	1		2				2							7	
	180.00													1		1											3	
	175.00																1		1						1		7	
	170.00						1	1			1	1				1	3		2	1	1						14	
	165.00									1			2	1		3	2	3	3	1	1						17	
	160.00									1		1	4	3	3		5	3	3	4	1	1					30	
	155.00								1	1	3	1	3	3	1	4	3	6	6	5	1	3			1	1	49	
	150.00								1	2	3	3	3	5	10	6	8	8	5	13	2	2	1		4	1	1	72
	145.00				1				1	1	4	6	6	8	9	20	14	16	11	10	1	6	4		1	1	1	122
	140.00			1			2			4	12	8	13	17	21	8	18	9	8	9	4	3	1	1		1	2	142
	135.00					1	2		4	5	9	14	16	15	19	23	22	18	15	7	6	3					181	
	130.00		1	1		3		4	9	15	20	25	26	35	20	22	14	13	9	6	3	3		1	1		231	
	125.00			1	2		4	6	9	19	15	25	18	20	33	27	22	17	8	6	4	4	1				241	
	120.00	1	1		1	5	6	12	12	11	21	29	30	24	17	14	19	9	5	2		2					221	
115.00		2	1	5	5	14	20	17	29	25	27	20	10	11	7	4	4			1	1			1		209		
110.00		1	1	9	6	11	6	9	20	16	21	10	13	14	9	2	1	1	1	1						152		
105.00	2	2		4	7	10	7	8	17	11	16	11	6	4	5	3										113		
100.00			1	2	4	3	7	6	6	6	7	4	5	2	3	3		2								61		
95.00				1	2	2	1		4	3	2	2	3	1				1								22		
90.00					1	1			1																	4		
85.00								1																		1		
TOTALS		3	7	6	25	38	49	68	99	138	166	190	184	209	159	163	135	90	79	32	30	17	6	4	5	3	1905	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R	
Y-WEIGHT	127.28	16.59	1.851X -	9.935	14.95	0.433
X-THUMB-TIP REACH	74.13	3.88	0.101Y +	61.276	3.49	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND THUMB-TIP REACH, EXTENDED

THUMB-TIP REACH, EXTENDED

	71	73	75	77	79	81	83	85	87	89	91	93	95	97	99	TOT
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
200.00							1						1			2
195.00								1						1		2
190.00						1			1							2
185.00						1	1	2	1	1			1			7
180.00								1		1	1					3
175.00									2	3		1	1			7
170.00				1		2	1	2	4	1	2	1				14
165.00							5	3	1	4	2	1		1		17
160.00						3	3	7	10	3	3			1		30
155.00				1		6	7	8	8	4	4	1	1	1	1	49
150.00					5	3	12	13	16	9	6	5	3			72
145.00			2	1	5	7	15	27	23	16	14	8	3	1		122
140.00				6	13	23	18	13	32	11	15	4	5	2		142
135.00		2	4	4	17	19	28	38	27	17	11	8	3	3		181
130.00		1	5	9	20	42	31	46	36	15	15	4	4	3		231
125.00		3	3	19	34	35	47	38	19	15	14	9	4	1		241
120.00	1	1	8	16	30	41	50	35	19	10	9	1				221
115.00	2	5	11	29	35	29	31	29	20	7	6	4		1		209
110.00		3	15	21	23	23	37	13	9	3	2	2	1			152
105.00	1	8	10	16	18	19	16	12	9	2	2					113
100.00		9	6	6	11	12	5	4	4	3		1				61
95.00				2	7	5	5									22
90.00						3	1									4
85.00						1										1
TOTALS	4	32	66	136	220	272	310	292	241	130	106	53	27	15	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WEIGHT	127.28	16.59	1.435X +	6.981	0.422
X-THUMB-TIP, EXTENDED	83.83	4.88	0.124Y +	68.050	

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND OVERHEAD REACH

OVERHEAD REACH

	175	178	181	184	187	190	193	196	199	202	205	208	211	214	217	220	223	226	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
200.00									1					1					2
195.00									1		1								2
190.00								1				1	1						2
185.00									2	2	1	1				1			7
180.00										1	1	1							3
175.00									1	2	1		1	1				1	7
170.00					1					2	3	4	2						14
165.00						1	1	1	1	6	3	2	1	1	1				17
160.00					1		3	4	2	1	3	8	4	4					30
155.00						1	3	6	4	7	3	4	14	2	2	1	2		49
150.00						2	2	3	8	8	18	11	13	7					72
145.00				1		4	2	2	5	13	22	23	21	14	6	6	1	2	122
140.00				4	4	4	10	26	15	21	20	13	11	7	4	1	1	1	142
135.00					4	6	9	17	19	26	38	14	21	14	7	3	2	1	181
130.00	1	1	2	3	10	18	22	33	35	35	25	25	14	6	1				231
125.00			2	7	13	19	33	46	31	35	15	18	13	5	3		1		241
120.00		1	4	14	9	29	30	34	34	22	18	16	6	3					221
115.00		1	4	17	20	24	28	36	26	33	10	5	3	2					209
110.00		3	7	13	19	16	29	24	16	13	4	2	2	3	1				152
105.00	1		7	8	17	14	23	17	12	8	5	1							113
100.00	1		5	13	11	9	7	5	2	6									61
95.00	1	2	2	2	5	4	3	1	1	1									22
90.00						1	2	1											4
85.00						1													1
TOTALS	4	8	34	85	121	154	216	261	231	262	168	155	113	56	21	7	7	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WEIGHT	127.28	16.59	0.940X -	59.990	0.485
X-OVERHEAD REACH	199.23	8.56	0.250Y +	167.405	7.48

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND NECK CIRCUMFERENCE

NECK CIRCUMFERENCE

	28	29	29	30	30	31	31	32	32	33	33	34	34	35	35	36	36	37	37	38	38	39	39	40	TOT
	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	ALS
200.00																1				1					2
195.00																				2					2
190.00																				1					2
185.00																									7
180.00									1									1				1			3
175.00																		1	1						7
170.00									1									1	2	2					14
165.00																		1	1	1					17
160.00										1								3	2	2				1	30
155.00									2	1								4	6	6					49
150.00										1	7							1	3	2					72
145.00										3	3							8	7						122
140.00										2	10	16	11	18	23	24	15	11	4	5					142
135.00										3	11	8	27	19	36	14	28	17	9	2	3				181
130.00											9	26	24	39	20	31	13	18	3	2					231
125.00											5	19	27	45	24	37	18	28	12						241
120.00											3	30	27	37	23	24	25	12	7	5					221
115.00																									209
110.00	1																								152
105.00																									113
100.00																									61
95.00																									22
90.00																									4
85.00																									1
TOTALS	1	0	4	19	27	66	95	165	165	250	177	242	175	194	105	93	43	35	14	18	8	8	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WEIGHT	127.28	16.59	5.757X -	67.013	13.49
X-NECK CIRCUMFERENCE	33.75	1.68	0.059Y +	26.240	1.36

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND SHOULDER CIRCUMFERENCE

SHOULDER CIRCUMFERENCE

	87	89	91	93	95	97	99	101	103	105	107	109	111	113	115	117	119	121	TOT
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
200.00																			2
195.00																			2
190.00																			2
185.00																			7
180.00																			3
175.00																			7
170.00																			14
165.00																			17
160.00																			30
155.00																			49
150.00																			72
145.00																			122
140.00																			142
135.00																			181
130.00																			231
125.00																			241
120.00																			221
115.00																			209
110.00																			152
105.00																			113
100.00																			61
95.00																			22
90.00																			4
85.00																			1
TOTALS	2	14	51	130	218	271	313	274	226	156	113	75	24	15	11	7	4	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WEIGHT	127.28	16.59	2.695X -	143.330	9.13
X-SHOULDER CIRCUMFER	100.41	5.14	0.259Y +	67.447	2.83

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND CHEST CIRCUMFERENCE AT SCYE

		CHEST CIRCUMFERENCE AT SCYE																		TOT
		71	73	75	77	79	81	83	85	87	89	91	93	95	97	99	101	103	ALS	
		.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25		
WEIGHT	200.00														1		1		2	
	195.00																1		2	
	190.00												1					1	2	
	185.00														2	2	2		7	
	180.00										1	1			1				3	
	175.00											1	1	1		3	1		7	
	170.00										1	2	3	4	1	2	1		14	
	165.00									1	3	4	5	3					17	
	160.00								1	3	3	9	1	7	3	1	2		30	
	155.00								2	4	17	10	8	5	1	1	1		49	
	150.00						1	4	6	12	13	17	10	5	2	2			72	
	145.00						4	7	23	30	30	18	1	9					122	
	140.00						7	16	38	29	28	18	2	3	1				142	
	135.00				1	5	15	42	42	34	31	8	1	1	1				181	
	130.00				1	11	40	52	52	44	19	7	5						231	
	125.00	1	1	5	17	46	75	61	20	10	2	3							241	
	120.00		2	10	36	60	53	45	10	4			1						221	
	115.00	1	4	18	52	62	47	20	3	2									209	
110.00	2	4	29	37	46	24	8	2										152		
105.00	4	12	27	35	24	9	1	1										113		
100.00	3	14	23	16	4	1												61		
95.00	3	6	8	4			1											22		
90.00		2		1	1													4		
85.00	1																	1		
TOTALS		1	16	43	123	214	309	331	299	193	162	97	42	38	13	12	10	2	1905	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-WEIGHT	127.28	16.59	2.684X	-	98.842	0.803
X-CHEST CIRC AT SCYE	84.25	4.96	0.240Y	+	53.701	2.96

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND BUST CIRCUMFERENCE

		BUST CIRCUMFERENCE																				TOT
		75	77	79	81	83	85	87	89	91	93	95	97	99	101	103	105	107	109	111	113	ALS
		.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25
WEIGHT	200.00														1				1			2
	195.00																1	1				2
	190.00																1	1				2
	185.00															1	3	1			2	7
	180.00														1		2					3
	175.00												1		2	1	1		1	1		7
	170.00												1	2	2	2	4	1		2		14
	165.00												1	4	1	5	2	1				17
	160.00							1	2	1	3	4	10		5	1	2		1			30
	155.00						1	2	4	6	11	12	16	8	5	5	2				1	49
	150.00						2	4	6	11	12	16	8	5	5	2			1			72
	145.00					1	2	17	24	27	24	12	5	8		1	1					122
	140.00				1	4	7	19	34	33	21	12	7	2		1	1					142
	135.00				3	10	22	35	49	22	22	9	5	4								181
	130.00				6	27	37	53	44	35	11	12	5	1								231
	125.00	1	1	1	13	27	61	59	44	20	8	2	3	1								241
	120.00		3	1	24	48	62	42	26	9	4	2										221
	115.00			1	16	34	57	52	34	12	3											209
	110.00		1	9	13	32	36	36	13	9	3											152
	105.00	1	2	9	18	38	19	19	6	1												113
	100.00		3	10	15	15	13	4	1													61
	95.00	1		4	5	8	3		1													22
	90.00			3		1																4
	85.00		1																			1
TOTALS		2	8	40	69	175	245	305	285	252	168	117	83	67	30	19	21	9	4	5	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-WEIGHT	127.28	16.59	2.325X	-	81.331	0.799
X-BUST CIRCUMFERENCE	89.73	5.70	0.275Y	+	54.723	3.43

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND CHEST CIRCUMFERENCE BELOW BUST

		CHEST CIRCUMFERENCE BELOW BUST																			TOT ALS
		61	63	65	67	69	71	73	75	77	79	81	83	85	87	89	91	93	95	97	
HEIGHT		.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	
200.00																1		1			2
195.00																1			1		2
190.00														1				1			2
185.00														1	1						2
180.00										1				1	1						3
175.00														1	2	3					7
170.00										1	1			2	4	3			1		14
165.00											1	5	6	3	1	1					17
160.00									2	3	6	5	6	3	1	2	2				30
155.00								2	1	9	8	10	7	9	1	1				1	49
150.00					1		3	7	14	17	11	11	4	4							72
145.00						1	16	22	36	26	11	5	4	1							122
140.00						1	6	19	26	37	24	18	4	7							142
135.00							5	13	46	40	37	26	11	3							181
130.00					1	12	33	53	54	43	31	3	1								231
125.00					6	17	52	68	54	29	11	2	2								241
120.00				4	11	31	61	57	39	15	2	1									221
115.00				3	25	44	63	49	16	6	3										209
110.00			1	7	19	45	46	23	11												152
105.00	1	4	8	32	29	25	8	5	1												113
100.00		2	12	19	17	5	4	2													61
95.00		2	4	7	4	4		1													22
90.00				2	2																4
85.00				1																	1
TOTALS		1	9	39	122	208	309	348	280	232	156	79	48	37	16	11	5	3	1	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-WEIGHT	127.28	16.59	2.693X	-	72.877	10.16
X-CHEST C BELOW BUST	74.33	4.87	0.232Y	+	44.796	2.98

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND WAIST CIRCUMFERENCE

		WAIST CIRCUMFERENCE																							TOT
		53	55	57	59	61	63	65	67	69	71	73	75	77	79	81	83	85	87	89	91	93	95	TOT	
		.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS	
HEIGHT	200.00																1		1					2	
	195.00																	1	1					2	
	190.00																1				1			2	
	185.00															1			2					7	
	180.00											1			1	2			1	2		2		3	
	175.00													1	1	1	1	1	1					7	
	170.00													3	2	2	3	2	1	1			1	14	
	165.00											1		4	2	6	2	2						17	
	160.00										3	1	6	8	3	3	3	2	1						30
	155.00									1	5	6	11	8	9	3	5	1							49
	150.00				1					4	9	15	17	12	6	6	1	1							72
	145.00										15	28	29	16	15	8	4	1	1						122
	140.00						3	17	20	42	25	11	20	2	1	1									142
	135.00					4	10	24	39	56	27	14	5	1	1										181
	130.00				1	7	22	44	64	42	28	16	6	1											231
	125.00					11	30	61	66	48	15	6	4												241
120.00				6	35	61	48	44	18	8		1												221	
115.00			4	12	42	61	54	26	6	1	2	1												209	
110.00			6	24	45	46	22	7	1			1												152	
105.00		1	6	27	38	27	9	2	3															113	
100.00		1	5	25	22	5	3																	61	
95.00		1	6	8	5		1			1														22	
90.00			2		1	1																		4	
85.00		1																						1	
TOTALS		1	3	29	104	210	266	287	288	262	156	101	85	37	29	18	11	8	6	1	2	0	1	1905	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-WEIGHT	127.28	16.59	2.497X	-	40.525	9.39
X-WAIST CIRCUMFERENCE	67.20	5.48	0.272Y	+	32.583	3.10

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND ABDOMINAL EXTENSION CIRCUMFERENCE

		ABDOMINAL EXTENSION CIRCUMFERENCE																							TOT
		65	68	70	73	75	78	80	83	85	88	90	93	95	98	100	103	105	108	110	113	115	118	ALS	
		.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00		
WEIGHT	200.00																1				1			2	
	195.00																			2				2	
	190.00																				2			2	
	185.00																	1	2	1				7	
	180.00																			1		2	1	3	
	175.00														1	1	1		2	1				7	
	170.00															1	4	4	2	1	1			14	
	165.00												2	1	2	5	3	2	2					17	
	160.00									1		1	3	7	6	5	3	3		1				30	
	155.00								1	1	2	3	5	6	6	10	7	7	2					49	
	150.00								2	2	5	11	16	14	13	6	2							72	
	145.00								4	5	22	20	27	17	14	9	3		1					122	
	140.00								3	12	18	26	29	24	19	5	1	1						142	
	135.00					1	3	9	12	28	27	34	37	19	8	2	1							181	
	130.00			1	1	4	11	14	38	46	45	45	19	6	1									231	
	125.00			2	11	12	28	42	53	58	19	14	2											241	
	120.00			2	6	29	36	61	46	21	14	6												221	
115.00			2	8	20	30	51	51	29	17	1												209		
110.00		2	2	9	13	32	52	20	19	2	1												152		
105.00			5	13	16	30	31	14	4														113		
100.00			3	11	18	11	12	6															61		
95.00		1	3	7	4	5	1	1															22		
90.00				1		2	1																4		
85.00		1																					1		
TOTALS		1	3	17	54	98	173	245	282	268	232	192	130	77	49	31	24	8	8	6	4	2	1	1905	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-WEIGHT	127.28	16.59	1.809X	-	27.649	0.794
X-ABDOMINAL EXT CIRC	85.64	7.28	0.348Y	+	41.351	4.43

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL

		HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL																						TOT
		77	79	81	83	85	87	89	91	93	95	97	99	101	103	105	107	109	111	113	115	117	ALS	
WEIGHT		.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25		
	200.00																1			1			2	
	195.00																		1	1			2	
	190.00																		1	1			2	
	185.00																	1	1	2	2	1	7	
	180.00																1	1	1	1			3	
	175.00														2	1		2	1	1			7	
	170.00														1	3	1	2	6				14	
	165.00														4	3	6	2					17	
	160.00														4	9	5	3	1				30	
	155.00											2	5	7	13	12	4	4	2				49	
	150.00										8	10	17	18	14	3	1	1					72	
	145.00										9	13	32	32	25	7	3	1					122	
	140.00										5	16	35	40	30	9	6	1					142	
	135.00									5	15	34	49	48	25	5							181	
	130.00									8	35	64	69	37	17	1							231	
125.00									7	19	59	74	55	22	3	2						241		
120.00									1	18	44	72	58	24	2							221		
115.00									2	11	33	63	68	25	5	2						209		
110.00									4	24	43	54	23	4								152		
105.00									12	26	40	31	4									113		
100.00			1	7	21	15	14	3														61		
95.00				10	3	6	2	1														22		
90.00			2	2																		4		
85.00		1																				1		
TOTALS		1	3	19	42	83	157	228	281	284	260	201	138	84	55	23	15	14	5	7	4	1	1905	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-WEIGHT	127.28	16.59	2.647X	-	120.573	0.892
X-HIP C-7" BLW WAIST	93.64	5.59	0.300Y	+	55.452	2.53

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND HIP CIRCUMFERENCE-NINE INCHES BELOW WAIST LEVEL

HIP CIRCUMFERENCE-NINE INCHES BELOW WAIST LEVEL

	77	79	81	83	85	87	89	91	93	95	97	99	101	103	105	107	109	111	113	115	117	119	TOT
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
200.00																		1				1	2
195.00																		1					2
190.00																				1			2
185.00																						2	7
180.00																			1	3	1	2	3
175.00																		1	1				7
170.00																							7
165.00																							14
160.00																							17
155.00																							30
150.00																							49
145.00																							72
140.00																							122
135.00																							142
130.00																							181
125.00																							231
120.00																							241
115.00																							221
110.00																							209
105.00																							192
100.00																							113
95.00																							61
90.00																							22
85.00																							4
TOTALS	3	3	15	28	52	110	166	224	257	259	235	209	124	91	51	30	18	12	10	3	2	3	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WEIGHT	127.28	16.59	2.441X - 105.278	7.71	0.886
X-HIP C-9" BLW WAIST	95.27	6.02	0.321Y + 54.415	2.80	

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND UPPER THIGH CIRCUMFERENCE

UPPER THIGH CIRCUMFERENCE

	43	45	47	49	51	53	55	57	59	61	63	65	67	69	71	TOT
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
200.00																2
195.00																2
190.00																2
185.00																7
180.00																3
175.00																7
170.00																14
165.00																17
160.00																30
155.00																49
150.00																72
145.00																122
140.00																142
135.00																181
130.00																231
125.00																241
120.00																221
115.00																209
110.00																152
105.00																113
100.00																61
95.00																22
90.00																4
85.00																1
TOTALS	4	15	49	122	230	338	375	307	240	121	55	27	11	7	4	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WEIGHT	127.28	16.59	3.304X - 56.009	8.99	0.840
X-UPPER THIGH CIRCUM	55.48	4.22	0.214Y + 28.237	2.29	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND KNEE CIRCUMFERENCE

KNEE CIRCUMFERENCE

	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	TOT
WEIGHT	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
200.00												1		1			2
195.00												2			1	1	2
190.00												2					2
185.00											2	2		1			7
180.00									2		1						3
175.00									1	1		2	2			1	7
170.00									2	4	4	3			1		14
165.00							1		1	4	4	6			1		17
160.00							3	2	7	8	4	2	2	2			30
155.00							5	7	16	13	3	4	1				49
150.00				1	1	3	8	15	17	11	12	3	1				72
145.00				1	1	8	28	31	28	18	5	2					122
140.00					5	18	33	37	28	13	8						142
135.00				1	14	22	59	41	26	13	3	2					181
130.00			2	4	25	57	66	49	24	4							231
125.00			2	13	49	63	64	37	12	1							241
120.00			3	31	56	72	37	20	2								221
115.00		2	15	36	78	54	20	4									209
110.00		1	23	54	42	25	6	1									152
105.00		12	28	46	25	2											113
100.00	3	16	23	14	5												61
95.00	3	5	7	7													22
90.00	2	2															4
85.00		1															1
TOTALS	8	39	103	208	301	324	330	244	166	90	46	29	8	4	3	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WEIGHT	127.28	16.59	5.999X -	90.491	0.819
X-KNEE CIRCUMFERENCE	36.30	2.27	0.112Y +	22.046	1.30

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND CALF CIRCUMFERENCE, RIGHT

CALF CIRCUMFERENCE, RIGHT

	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	TOT
WEIGHT	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
200.00													1		1					2
195.00																		1	1	2
190.00											1				1					2
185.00												1	2		2					7
180.00											1	2								3
175.00												1	3		1	1				7
170.00								1		4	2	3	2							14
165.00							1		1		3	6	3	3						17
160.00						1		1	3	10	7	5	2			1				30
155.00							1	4	4	10	12	14	1	3						49
150.00								2	8	24	19	10	6							72
145.00					1	2	4	16	17	30	19	21	8	2	1	1				122
140.00			1			2	6	16	32	31	38	13	3							142
135.00				1			16	32	51	36	33	9	2		1					181
130.00					1	13	29	56	54	44	23	7	2	1	1					231
125.00				2	5	21	41	79	54	18	16	3	2							241
120.00				2	8	26	56	70	34	17	7	1								221
115.00				2	21	49	58	45	25	7	2									209
110.00			1	3	20	53	45	21	8	1										152
105.00				1	2	14	33	30	21	10	2									113
100.00	1		1	6	13	16	15	7	2											61
95.00		1	1	6	8	5		1												22
90.00		1	2	1																4
85.00					1															1
TOTALS	1	4	12	45	114	217	285	356	293	233	183	94	39	15	10	2	0	1	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WEIGHT	127.28	16.59	5.555X -	62.386	0.752
X-CALF CIRCUM, RIGHT	34.14	2.25	0.102Y +	21.161	1.48

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND ANKLE CIRCUMFERENCE

ANKLE CIRCUMFERENCE

	17	18	18	19	19	20	20	21	21	22	22	23	23	24	24	25	25	TOT
	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	ALS
200.00												1					1	2
195.00										1						1	1	2
190.00																		2
185.00							1			1	2	1	1		1			7
180.00									1	1		1						3
175.00										1	3	2	1					7
170.00			1						2	5	3	2	1					14
165.00							1	1		4		4	6	1				17
160.00								1	6	5	5	2	6	1		1		30
155.00				1	1	1	3	2	11	12	6	4	3	3	2			49
150.00					1	1	4	12	7	10	14	10	3	8	2			72
145.00				1	1	4	15	13	19	17	17	14	10	6	3	2		122
140.00				3	4	8	16	25	22	27	14	14	7	1	3			142
135.00				3	2	13	24	39	26	38	19	4	8	2	2	1		181
130.00			1	3	12	17	30	46	40	36	21	18	7					231
125.00			3	4	11	33	40	54	43	31	10	7	2	2		1		241
120.00			3	7	12	35	32	50	29	31	10	8	3	1				221
115.00			5	10	23	47	43	44	17	12	3	2	2	1				209
110.00		2	8	15	28	36	18	23	15	5	1	1						192
105.00		1	7	23	30	20	13	11	7	1								113
100.00		4	5	15	12	13	8	2	2									61
95.00			6	2	6	5	3											22
90.00	1	2		1														4
85.00			1															1
TOTALS	1	10	39	86	143	236	251	323	247	238	125	96	61	27	13	7	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WEIGHT	127.28	16.59	7.608X - 33.133	13.38	0.591
X-ANKLE CIRCUMFERENCE	21.09	1.29	0.046Y + 15.230	1.04	

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND VERTICAL TRUNK CIRCUMFERENCE

VERTICAL TRUNK CIRCUMFERENCE

	135	137	139	141	143	145	147	149	151	153	155	157	159	161	163	165	167	169	171	173	175	177	TOT
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
200.00																				1			2
195.00																			1				2
190.00																			1				2
185.00																1			1	1	2	1	7
180.00																1			1				3
175.00																2	1	1	1	1	1		7
170.00																2	3	1	1	3	1		14
165.00																1	4	2	1	1	3		17
160.00																4	8	4	2	3	1	1	30
155.00									1	2	5	7	6	13	7	1	6	1	6	1			49
150.00									1	5	8	10	7	21	11	2	3	2	2	2			72
145.00							2	3	5	14	16	19	25	12	16	5	1	4					122
140.00							2	7	15	16	34	21	25	12	4	4							142
135.00						1	3	5	10	27	29	33	31	19	17	3	2	1					181
130.00						1	6	21	25	29	45	36	37	12	13	5	1						231
125.00				3		7	20	29	34	38	43	31	19	10	5	1	1						241
120.00			1	2	2	9	19	36	55	35	25	17	12	3	5								221
115.00			2	4	11	22	37	34	35	33	16	12	2				1						209
110.00			1		12	19	31	33	17	20	10	5	3	1									152
105.00	1		5	7	22	17	24	16	10	9	2												113
100.00	1	1	2	12	15	15	9	3		1	1	1											61
95.00		2	3	3	3	6	3	2															22
90.00		1	1	1		1																	4
85.00						1																	1
TOTALS	2	4	15	32	65	99	152	183	197	213	208	200	166	114	108	64	25	19	19	14	4	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WEIGHT	127.28	16.59	1.901X - 166.282	10.23	0.787
X-VERTICAL TRUNK CIR	154.43	6.87	0.326Y + 112.932	4.24	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND VERTICAL TRUNK CIRCUMFERENCE, SITTING

VERTICAL TRUNK CIRCUMFERENCE, SITTING

	133	135	137	139	141	143	145	147	149	151	153	155	157	159	161	163	165	167	169	171	TOT
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
200.00															1	1					2
195.00																		1	1		2
190.00																				1	2
185.00												1				3	1				7
180.00																	3				3
175.00												2		1				1	1		7
170.00										1		2	5		1	1	1	2	1		14
165.00											2	3	5	3		3			1		17
160.00										1	2	4	4	4	4	6	1	2	1	1	30
155.00								1		4	7	6	9	13	2	3	1	1	1		49
150.00								5	5	8	12	8	16	9	6	2	2	1			72
145.00						1	1	5	4	18	23	23	18	11	8	6	3		1		122
140.00						3	2	26	24	29	21	18	12	4	1	1				1	142
135.00			1			7	8	10	27	32	36	25	16	12	6	1					181
130.00					3	12	17	31	41	28	39	28	22	3	7						231
125.00			1	4	9	19	32	37	38	44	28	13	8	5	3						241
120.00		1	1	8	12	22	30	46	31	26	23	11	4	5	1						221
115.00		1	6	14	24	27	32	31	32	22	11	5	4								209
110.00			4	9	19	36	26	10	22	15	6	2	2								152
105.00	2	5	11	14	13	28	15	11	9	4	1										113
100.00	2	1	10	15	14	9	7	1	1	1											61
95.00	1	2	6	2	6	1	3	1													22
90.00	2			1		1															4
85.00					1																1
TOTALS	7	11	40	67	101	163	174	186	237	225	213	157	121	87	50	31	16	7	10	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WEIGHT	127.28	16.59	1.865X - 152.591	11.21	0.737
X-VERTICAL TRK C, SIT	150.07	6.56	0.291Y + 113.027	4.43	

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND BUTTOCK CIRCUMFERENCE, SITTING

BUTTOCK CIRCUMFERENCE, SITTING

	85	87	89	91	93	95	97	99	101	103	105	107	109	111	113	115	117	119	121	123	125	127	129	TOT
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
200.00																	1		1					2
195.00																	1		1					2
190.00																				1	1			2
185.00															1		1	3		1			1	7
180.00															1			1		1				3
175.00													1	2		1		2	1					7
170.00												1	1	3	2	2	3	1		1				14
165.00												4	6	2	1	3	1							17
160.00										1		5	7	3	6	6	2							30
155.00									1	2	5	13	11	7	4	4	1	1						49
150.00									2	14	12	16	17	8	3									72
145.00									4	12	32	25	28	14	5	2								122
140.00									1	12	21	45	33	22	4									142
135.00										7	32	71	57	36	22	4								181
130.00						2	12	31	44	44	35	12	1											231
125.00						7	32	71	57	36	22	4	2											241
120.00						3	19	55	72	59	22	10	1											221
115.00						1	10	48	69	65	23	5												209
110.00						2	9	31	76	55	30	5	1											152
105.00						1	2	24	46	52	19	8												113
100.00						3	12	31	43	17	5	2												61
95.00						2	5	7	6	2														22
90.00						1																		4
85.00						1																		1
TOTALS	8	19	46	91	139	223	249	295	224	202	142	102	62	38	21	14	12	9	3	4	1	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WEIGHT	127.28	16.59	2.463X - 119.012	7.09	0.904
X-BUTTOCK CIRC, SIT	100.00	6.09	0.332Y + 57.740	2.60	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND SCYE CIRCUMFERENCE

		SCYE CIRCUMFERENCE																					TOT
		28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	ALS
		.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	2
WEIGHT	200.00															1							2
	195.00																1						2
	190.00															1							2
	185.00															2	1	2	1	1			7
	180.00															1							3
	175.00															1	5						7
	170.00															1							14
	165.00															1	6	2	3	5			17
	160.00															3	4	4	9	5	3	1	30
	155.00															2	5	9	12	7	11	3	49
	150.00															1	3	7	19	24	9	6	72
	145.00															2	4	9	32	37	18	14	122
	140.00															3	4	19	32	41	23	14	142
	135.00															1	7	26	31	55	36	11	181
	130.00															2	12	36	54	73	31	18	231
	125.00															1	3	28	42	69	47	35	241

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WEIGHT	127.28	16.59	5.626X -	81.431	10.46
X-SCYE CIRCUMFERENCE	37.10	2.29	0.107Y +	23.479	1.44

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND AXILLARY ARM CIRCUMFERENCE

		AXILLARY ARM CIRCUMFERENCE																				TOT
		20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	TOT	
		.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS	
WEIGHT	200.00															2				1	2	
	195.00														1						2	
	190.00															1					2	
	185.00														1	3		1	2		7	
	180.00												1	1							3	
	175.00													1	4	1					7	
	170.00										1	2	5	5	1						14	
	165.00									1	4	3	3	4	1			1			17	
	160.00							1	2		4	7	10	4	1						30	
	155.00								2		4	20	9	6	7	1					49	
	150.00							1	5	14	22	17	8	3	1		1				72	
	145.00						3	9	20	40	27	14	7	1	1						122	
	140.00						6	15	27	36	30	17	6	4			1				142	
	135.00					1	13	31	51	46	24	9	4								181	
	130.00				1	10	26	54	60	40	30	8	2								231	
	125.00				5	18	40	56	66	40	14	2									241	
120.00				11	32	50	60	34	26	7	1									221		
115.00			3	19	42	51	52	33	8		1									209		
110.00	2		5	23	35	37	34	13	3											152		
105.00																				113		
100.00		4	8	21	38	24	16		1	1										61		
95.00		2	8	15	21	12	3													22		
90.00			5	10	5	1		1												4		
85.00	1		2		1															1		
TOTALS		3	7	31	105	203	263	332	315	260	184	90	53	37	11	4	2	4	0	1	1905	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WEIGHT	127.28	16.59	5.625X -	27.059	10.10
X-AXILLARY ARM CIRC	27.44	2.34	0.112Y +	13.183	1.42

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND BICEPS CIRCUMFERENCE, RELAXED, RIGHT

BICEPS CIRCUMFERENCE, RELAXED, RIGHT

	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
200.00										1									1	2
195.00																	2			2
190.00														1	1					2
185.00									1			3	1			1				7
180.00											1	1			1					3
175.00										1		3	2		1					7
170.00									4	2	5	1	2							14
165.00								1	2	4	5	1	2	1		1				17
160.00						1	1	2	6	7	8	4	1							30
155.00							1	10	10	9	7	10			1		1			49
150.00							6	15	21	20	4	4			2					72
145.00					2	5	21	38	33	12	8	2	1							122
140.00					2	12	31	36	30	16	10	5								142
135.00						12	20	55	46	27	11	8	1	1						181
130.00							23	54	63	44	27	10	5	1						231
125.00			1	3			45	56	66	48	9	3								241
120.00			3	15	61	63	48	23	8											221
115.00		1	9	36	56	65	29	12	1											209
110.00		3	17	31	53	35	9	4												152
105.00		5	21	43	21	20	2	1												113
100.00	2	4	16	26	12	1														61
95.00		4	9	6	3															22
90.00	1	2		1																4
85.00	1																			1
TOTALS	4	19	77	174	290	332	332	280	175	98	58	40	9	7	4	3	2	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WEIGHT	127.28	16.59	5.805X -	21.392	9.89
X-BICEPS C,RELAXED,R	25.61	2.29	0.111Y +	11.483	1.37

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND BICEPS CIRCUMFERENCE, FLEXED, RIGHT

BICEPS CIRCUMFERENCE, FLEXED, RIGHT

	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
200.00											1								1	2
195.00																	2			2
190.00														1		1				2
185.00									1	1	3				1		1			7
180.00										1	2		1		1					3
175.00										1	2	2		2						7
170.00								1	1	4	5	2	1	2						14
165.00							2	1	5	9	3	7	3				1			17
160.00																				30
155.00						1		10	8	10	11	6	1	1	1					49
150.00							4	14	17	22	8	4	1	1		1				72
145.00					3	1	21	34	30	20	11	2								122
140.00						7	21	55	20	18	18	1	2							142
135.00																				181
130.00				1	8	21	52	41	32	17	6	2	1							231
125.00			1	4	11	53	56	58	24	15	9									241
120.00			2	9	37	61	69	46	13	6										221
115.00			6	18	52	57	54	30	6	1	1									209
110.00			6	31	51	72	36	13												152
105.00		4	11	32	49	39	12	5												113
100.00		6	16	42	26	15	7	1												61
95.00	3	2	14	25	14	3														22
90.00		2	9	8	2	1														4
85.00	1																			1
TOTALS	4	16	60	171	253	331	334	309	156	125	83	32	12	9	3	2	4	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WEIGHT	127.28	16.59	5.769X -	27.293	9.83
X-BICEPS C,FLEXED, R	26.79	2.32	0.112Y +	12.538	1.37

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND ELBOW CIRCUMFERENCE, FLEXED

ELBOW CIRCUMFERENCE, FLEXED

	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
200.00										1					1	2
195.00											1	1				2
190.00							1	1								2
185.00						1	2	2		1	1					7
180.00							2				1					3
175.00							2	3				1				7
170.00						1	4	6	2	1						14
165.00							5	3	3	2						17
160.00						3	5	8	10	2	2					30
155.00					3	3	12	17	8	3	3					49
150.00				1	2	12	21	16	10	6	3			1		72
145.00				2	6	27	31	27	21	6	2					122
140.00				3	16	38	38	25	12	7	3					142
135.00			1	11	31	31	40	46	15	4	2					181
130.00			2	22	41	65	49	32	17	3						231
125.00			4	25	49	70	52	24	11	4	2					241
120.00			15	18	63	58	41	12	11	3						221
115.00		2	12	45	53	51	27	15	4							209
110.00		6	14	34	43	36	11	7	1							152
105.00		5	13	33	33	22	5	2								113
100.00	1	10	5	18	14	7	3	3								61
95.00	1	3	7	2	5	4										22
90.00	1		1	1		1										4
85.00	1															1
TOTALS	4	26	74	215	359	434	351	249	125	44	20	2	1	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WEIGHT	127.28	16.59	5.324X -	16.341	13.60
X-ELBOW CIRC, FLEXED	26.98	1.78	0.061Y +	19.212	1.46

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND FOREARM CIRCUMFERENCE, RELAXED

FOREARM CIRCUMFERENCE, RELAXED

	19	20	20	21	21	22	22	23	23	24	24	25	25	26	26	27	27	28	28	29	29	30	TOT
	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	ALS
200.00																		1					2
195.00																			1	1			2
190.00																1	1						2
185.00											1		1	3					1		1		7
180.00											1	1							1				3
175.00											1	1	2	2			1						7
170.00											1	1	4	6	2								14
165.00										1	2	3	4	1	4	1					1		17
160.00										1	4	4	7	9	4			1					30
155.00									1	4	10	9	14	1	5	4	1						49
150.00							2	5	14	14	16	12	4	4		1							72
145.00					1		7	14	17	43	15	13	8	3	1								122
140.00						5	8	19	30	32	26	17	2	2		1							142
135.00				1	4	7	11	37	40	42	24	13	1	1									181
130.00					8	17	42	55	54	30	18	7											231
125.00			1	5	20	28	57	65	36	22	4	3											241
120.00		1	4	6	24	44	56	49	27	7	2	1											221
115.00			8	13	36	52	53	28	13	5	1												209
110.00	1	1	9	23	36	43	23	15	1														152
105.00		8	12	32	29	25	3	4															113
100.00	3	8	13	22	13	1	1																61
95.00	1	1	4	9	5	2																	22
90.00	2	1	1																				4
85.00	1																						1
TOTALS	1	7	20	52	111	176	224	263	292	238	214	123	98	38	24	11	4	2	3	1	2	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WEIGHT	127.28	16.59	9.719X -	100.885	9.78
X-FOREARM C, RELAXED	23.48	1.38	0.067Y +	14.948	0.81

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND FOREARM CIRCUMFERENCE, FLEXED

		FOREARM CIRCUMFERENCE, FLEXED													TOT ALS
		20 .75	21 .75	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	30 .75	31 .75	32 .75	
WEIGHT	200.00										1			1	2
	195.00											2			2
	190.00							1		1					2
	185.00						1	1	3			2			7
	180.00							2				1			3
	175.00							2	3	1	1				7
	170.00						1	8	4	1					14
	165.00					1	2	5	7	1	1				17
	160.00						7	7	9	5	2				30
	155.00					2	12	19	9	7					49
	150.00					8	26	22	12	2	2				72
	145.00				2	16	45	43	13	3					122
	140.00				4	32	49	45	9	3					142
	135.00			2	12	47	76	33	11						181
	130.00			5	35	74	81	32	4						231
	125.00			11	53	101	54	19	3						241
	120.00		1	20	66	97	31	6							221
	115.00		2	24	97	66	16	4							209
	110.00		7	43	64	37	1								152
	105.00	1	14	40	47	10	1								113
	100.00	2	16	26	15	2									61
	95.00	1	5	9	7										22
	90.00	1	3												4
	85.00	1													1
TOTALS		6	48	180	402	493	403	249	87	24	7	5	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R	
Y-WEIGHT	127.28	16.59	8.506X	-	85.156	10.39	0.779
X-FOREARM C, FLEXED	24.98	1.52	0.071Y	+	15.938	0.95	

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND WRIST CIRCUMFERENCE

		WRIST CIRCUMFERENCE											TOT ALS
		12 .50	13 .00	13 .50	14 .00	14 .50	15 .00	15 .50	16 .00	16 .50	17 .00	17 .50	
WEIGHT	200.00										1	1	2
	195.00									1		1	2
	190.00								1	1			2
	185.00							2		3	1	1	7
	180.00							2		1			3
	175.00						1		3	3			7
	170.00					2	1	3	2	5	1		14
	165.00				1			8	5	3			17
	160.00						3	12	6	5	3	1	30
	155.00				1	3	8	17	12	7	1		49
	150.00				1	7	16	27	13	3	5		72
	145.00		1	1	11	25	46	25	10	2	1		122
	140.00		1	4	13	51	50	20	3				142
	135.00			11	26	50	67	22	4	1			181
	130.00			2	11	46	85	57	23	6	1		231
	125.00			1	22	65	85	55	11	2			241
	120.00			8	24	64	88	31	3	3			221
	115.00		1	7	45	84	52	19	1				209
	110.00			12	44	59	30	5	2				152
	105.00			12	51	31	19						113
	100.00		1	10	29	15	6						61
	95.00	1		5	11	5							22
	90.00		1	2		1							4
	85.00			1									1
TOTALS		1	3	62	256	432	520	401	149	60	16	5	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R	
Y-WEIGHT	127.28	16.59	15.050X	-	97.904	12.67	0.646
X-WRIST CIRCUMFERENCE	14.96	0.71	0.028Y	+	11.399	0.54	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND BIACROMIAL BREADTH

		BIACROMIAL BREADTH																						TOT
		31	31	32	32	33	33	34	34	35	35	36	36	37	37	38	38	39	39	40	40	41	41	ALS
		.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	1
WEIGHT	200.00												1											2
	195.00																		2					2
	190.00													1	1									2
	185.00													1	1			1						7
	180.00												1	1				2	1	1				3
	175.00												1									1		7
	170.00									2	1	1	2	2	2		1		1	1	1			14
	165.00				1		1		1		1	1	1	4	4		2	1						17
	160.00							1			1	3		7	6	4	3	1	2	1				30
	155.00							4	1	3	6	7	9	3	4	7	2			1	2			49
	150.00					1		2		6	8	15	9	10	6	5	7	1	1			1		72
	145.00						1	1	5	9	7	18	18	18	16	8	8	5	3	2	1	1	1	122
	140.00		1		1		1	6	12	6	13	19	18	22	17	12	7	3	4					142
	135.00		1	1			2	4	14	23	20	26	26	20	12	12	11	6	1	1				181
	130.00					2	11	14	17	28	35	23	34	30	9	15	3	6	2	1	1			231
	125.00		3	1		7	13	15	17	33	29	38	27	21	16	12	5	3	1					241
	120.00			2	5	5	11	22	29	23	33	24	33	9	14	6	3		2					221

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-WEIGHT	127.28	16.59	5.009X	-	52.257	14.41
X-BIACROMIAL BREADTH	35.84	1.64	0.049Y	+	29.606	1.42

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND BIDELOID BREADTH

		BIDELTOID BREADTH																	TOT
		34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	ALS	
		.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75		
WEIGHT	200.00															1	1	2	
	195.00															2		2	
	190.00												1			1		2	
	185.00													1	3	1	2	7	
	180.00												1	2				3	
	175.00											1	1	1	4			7	
	170.00										1	3	4	1	1	2	2	14	
	165.00										1	6	3	4	2	1		17	
	160.00										2	8	8	7	3	1		30	
	155.00									1	6	11	10	14	5	2		49	
	150.00								1	6	8	18	16	19	2	1		72	
	145.00								5	19	31	27	22	11	7			122	
	140.00						4	11	21	32	34	25	12	3				142	
	135.00						8	15	42	50	38	20	7	1				181	
	130.00					2	17	36	63	59	38	10	4	2				231	
	125.00		1		4	4	16	62	74	47	25	8						241	
	120.00				4	4	14	38	71	54	28	10	1					221	
115.00			5	6	27	50	62	39	17	3							209		
110.00		2	2	12	25	42	46	18	5								152		
105.00		1	3	18	29	35	18	6	3								113		
100.00	1	1	10	11	13	17	7	1									61		
95.00		2	7	5	6	2											22		
90.00			2		2												4		
85.00		1															1		
TOTALS		1	8	29	60	122	229	334	344	287	208	130	86	36	16	10	5	1905	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-WEIGHT	127.28	16.59	5.722X	-	112.319	10.00
X-BIDELOID BREADTH	41.87	2.31	0.111Y	+	27.745	1.39

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND CHEST BREADTH

CHEST BREADTH																
WEIGHT	22	23	24	25	26	27	28	29	30	31	32	33	34	35	TOT	
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS	
200.00										1			1		2	
195.00											2				2	
190.00										1				1	2	
185.00									3		4				7	
180.00										2	1				3	
175.00								1	1	1		3	1		7	
170.00							1	2	4	3	1	2	1		14	
165.00								3	5	5	2	2			17	
160.00						2	6	1	10	3	3	2	3		30	
155.00						2	9	14	6	15	2	1			49	
150.00					2	6	15	20	14	10	4	1			72	
145.00				5	7	24	28	28	16	12	2				122	
140.00		1	1	6	12	25	37	28	21	10	1				142	
135.00				12	24	40	51	34	13	7					181	
130.00					44	63	58	31	17						231	
125.00				2	15	60	83	54	19	4	3	1			241	
120.00		2	5	26	72	60	39	9	6	2					221	
115.00		1	11	51	66	45	29	6							209	
110.00		3	21	35	43	26	20	3	1						152	
105.00	1	6	17	33	32	19	4	1							113	
100.00	2	6	18	14	10	8	3								61	
95.00		3	6	8	4	1									22	
90.00			1	1	2										4	
85.00		1													1	
TOTALS	3	24	83	222	378	403	355	200	121	75	23	11	6	1	1905	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-WEIGHT	127.28	16.59	6.072X	-	42.703	0.701
X-CHEST BREADTH	27.99	1.91	0.081Y	+	17.685	1.37

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND BUSTPOINT-TO-BUSTPOINT BREADTH

WEIGHT	BUSTPOINT-TO-BUSTPOINT BREADTH																								TOT
	13	13	14	14	15	15	16	16	17	17	18	18	19	19	20	20	21	21	22	22	23	23	24	24	
200.00	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	2
195.00																	1								2
190.00																	1								2
185.00																	2								7
180.00																	1								3
175.00																	1								7
170.00																	1								14
165.00																	4								17
160.00																	8								30
155.00																	11								49
150.00																	9								72
145.00																	8								122
140.00																	4								142
135.00																	8								181
130.00																	7								231
125.00																	7								241
120.00																	8								221
115.00																	8								209
110.00																	4								152
105.00																	3								113
100.00																	2								61
95.00																	1								22
90.00																									4
85.00																									1
TOTALS	1	1	6	4	12	40	49	96	176	214	240	264	229	192	133	93	70	39	19	13	8	3	1	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-WEIGHT	127.28	16.59	6.281X	+	10.884	0.586
X-BUST PT-BUST PT BR	18.53	1.55	0.055Y	+	11.531	1.25

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND WAIST BREADTH

WAIST BREADTH																
	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
WEIGHT																
200.00											1	1				2
195.00											1					2
190.00											1		1			2
185.00								1			2		3		1	7
180.00									1	1	1					3
175.00								1	2	2	2	1	1			7
170.00									5	2	3	3			1	14
165.00								1	6	5	5					17
160.00						1	1	7	5	9	5	1		1		30
155.00						1	9	8	14	10	6	1				49
150.00				1	1	3	16	18	18	11	2	2				72
145.00					2	12	31	37	19	15	4	2				122
140.00				2	9	26	36	40	19	10						142
135.00			1	5	17	53	44	40	15	4	2					181
130.00			1	8	36	69	57	35	19	5	1					231
125.00			1	13	30	110	59	21	6	1						241
120.00		1	11	28	62	70	41	8								221
115.00		2	14	24	76	61	26	6								209
110.00		2	13	44	53	30	9	1								152
105.00		5	25	29	35	14	5									113
100.00	1	1	27	19	8	4	1									61
95.00		1	5	9	4	3										22
90.00			1	1	1	1										4
85.00	1															1
TOTALS	2	12	99	183	334	458	335	224	129	73	36	11	6	1	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WEIGHT	127.28	16.59	6.577X -	31.408	10.63
X-WAIST BREADTH	24.13	1.94	0.090Y +	12.673	1.24

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND HIP BREADTH

		HIP BREADTH																TOT
		28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	ALS
		.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	
WEIGHT	200.00											1					1	2
	195.00												1	1				2
	190.00												1					2
	185.00												2	3		1		7
	180.00												1	1			1	3
	175.00								2			1	2	2				7
	170.00								2					2	3			14
	165.00							1	1	3	4	3	1	3		1		17
	160.00					1			3	6	5	8	4	2		1		30
	155.00					1		6	3	12	5	10	10	2				49
	150.00						2	5	9	17	16	12	5	5			1	72
	145.00					2	3	16	27	29	21	15	7	2				122
	140.00					1	7	26	36	36	25	6	5					142
	135.00				3	7	17	47	56	31	15	4		1				181
	130.00		1	1	1	12	36	56	57	41	21	5						231
	125.00		1	1	4	20	57	65	65	19	7	2						241
	120.00			4	16	34	57	57	38	13		2						221
115.00		1	6	14	45	66	55	18	3	1							209	
110.00			7	26	51	39	21	8									152	
105.00		2	8	31	47	15	10										113	
100.00	3	3	13	22	15	2	3										61	
95.00	1	4	5	4	4	2	2										22	
90.00		1	2	1													4	
85.00		1															1	
TOTALS		4	14	47	122	240	303	370	325	210	123	72	42	24	3	4	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WEIGHT	127.28	16.59	5.766X -	74.346	10.58
X-HIP BREADTH	34.97	2.22	0.103Y +	21.858	1.41

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND THIGH-TO-THIGH BREADTH, SITTING

	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
200.00															1							1	2
195.00																		1					2
190.00																	1						2
185.00														1		2		2		2		1	7
180.00																	1						3
175.00													1	1	1		2		1		1		7
170.00												1			3	2	1	1	3				14
165.00									1	3			1	5	3	2	5			1			17
160.00									1			1	2	3	10	6	2	2					30
155.00									1	2	1	6	5	10	7	7	8	1	1				49
150.00										4	7	10	13	16	10	4	3	5					72
145.00									2	17	18	24	26	19	7	7	1	1					122
140.00							2	3	4	17	18	30	35	14	8	7	3	1					142
135.00						1				5	7	19	25	32	50	21	13	5	3				181
130.00						1	14	9	36	38	41	44	36	7	5								231
125.00				1	1		8	24	42	62	50	25	22	4	1	1							241
120.00				1	1	6	20	38	52	48	31	16	5		1								221
115.00				2	3	8	32	50	43	38	23	7	3										209
110.00				2	2	13	24	35	43	22	8	3											152
105.00				4	5	22	41	18	13	5	3	2											113
100.00			2	3	10	17	17	8	2	1	1												61
95.00	1			3	6	4	4	1	3														22
90.00			1	1	2																		4
85.00				1																			1
TOTALS	1	0	3	18	30	72	167	193	261	282	233	219	170	97	62	42	25	17	6	4	2	1	1905

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WEIGHT	127.28	16.59	4.542X - 46.175	10.32	0.783
X-THIGH-THIGH BR,SIT	38.19	2.86	0.135Y + 21.006	1.78	

		HUMERAL BREADTH, RIGHT																										TOT
		5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	7	7	7	7	7	7	7	TOT	
		.20	.30	.40	.50	.60	.70	.80	.90	.00	.10	.20	.30	.40	.50	.60	.70	.80	.90	.00	.10	.20	.30	.40	.50	ALS		
WEIGHT	200.00																		1			1				2		
	195.00															1			1							2		
	190.00																			1						2		
	185.00												1			2	2					1				7		
	180.00													1		1	1						1			3		
	175.00											2				1				2		1				7		
	170.00										2	1	1	3	2	3	2									14		
	165.00										2	1	2	2	4	1	1			2	2					17		
	160.00									2	1	2	4	3	4	7	3	4								30		
	155.00								4	7	4	5	5	6	5	2	2	6	1	1			1			49		
	150.00				1				2	1	4	5	9	10	15	12	5	2	3	2					1	72		
	145.00							1	1	6	12	9	13	21	13	19	11	10	3	1	1	1				122		
	140.00		1	1	2			4	4	9	21	12	15	17	17	18	12	3	3		2	1				142		
	135.00					1		3	3	11	22	21	20	28	17	31	10	5	3	1						181		
	130.00					2	2	2	6	15	34	39	44	34	24	9	12	6	2							231		
	125.00					2	9	2	15	26	37	39	44	24	21	15	4	2	1							241		
	120.00				1	4	7	16	26	53	33	40	13	12	9	4		2	1							221		
115.00			1	4	8	10	21	18	30	32	35	20	14	11	4			1							209			
110.00	2		2	1	4	11	13	21	25	29	19	15	7	2			1								152			
105.00		1	1	6	5	14	15	19	25	13	7	5							2						113			
100.00			4	4	5	9	11	9	9	5	2	2			1										61			
95.00	1			2	4	5		2	6	2															22			
90.00			1	1	1		1																		4			
85.00				1																					1			
TOTALS		3	5	12	37	53	81	113	185	296	242	241	189	151	137	70	40	27	11	6	3	2	0	0	1	1905		

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WEIGHT	127.28	16.59	29.097X - 51.187	13.98	0.538
X-HUMERAL BREADTH, R	6.13	0.31	0.010Y + 4.861	0.26	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND FEMORAL BREADTH, RIGHT

		FEMORAL BREADTH, RIGHT																			TOT
		6	6	7	7	7	7	7	8	8	8	8	8	9	9	9	9	9	9	ALS	
		.75	.95	.15	.35	.55	.75	.95	.15	.35	.55	.75	.95	.15	.35	.55	.75	.95			
WEIGHT	200.00														1			1	2		
	195.00														1	1			2		
	190.00												2						2		
	185.00									1	2	1		2		1			7		
	180.00									1				2					3		
	175.00							1	1		2	1	1	1					7		
	170.00							4	2	2	3	2	1						14		
	165.00				1			1	2	1	3	4	2	2	1				17		
	160.00					1	3	1	2	6	5	7	1	4					30		
	155.00						1	8	8	9	8	7	5		3				49		
	150.00					2	5	7	7	19	7	9	10	5	1				72		
	145.00			1	4	3	11	12	18	27	23	14	6	2	1				122		
	140.00		1		2	3	14	14	25	34	22	19	4	2	2				142		
	135.00	1			1	7	18	28	38	32	27	20	5	2	2				181		
	130.00			2	2	10	32	39	53	47	28	7	8	2	1				231		
	125.00		1	7	10	14	37	57	35	37	23	15	3	2					241		
	120.00	1	2			8	18	32	41	55	30	21	8	5					221		
	115.00		5	4	10	34	48	43	26	21	9	6	3						209		
	110.00	4	6	4	11	17	27	41	23	10	5	4							152		
	105.00	1		3	5	19	31	22	15	12	4		1						113		
	100.00		3	5	4	9	16	14	5	5									61		
	95.00				6		3	10	2	1									22		
	90.00				1	1	1		1										4		
	85.00						1												1		
TOTALS		7	18	26	65	138	280	339	320	295	191	125	60	25	13	2	0	1	1905		

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-WEIGHT	127.28	16.59	17.900X -	18.002	14.49	0.487
X-FEMORAL BREADTH, R	8.12	0.45	0.013Y +	6.462	0.39	

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND CHEST DEPTH

		CHEST DEPTH																			TOT
		18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	32	32	32	32	ALS
		.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	
WEIGHT	200.00																				2
	195.00										1										2
	190.00										1	1									2
	185.00											3	1	2	1						7
	180.00										2										3
	175.00										1	3	2	1							7
	170.00								3	1	4	2	1	3							14
	165.00							2	2	4	3	2	3	1							17
	160.00						1	5	7	7	7	3									30
	155.00						2	9	16	12	9						1				49
	150.00						4	8	14	20	14	8	4								72
	145.00					4	6	24	38	25	17	7	1								122
	140.00		2	2	4	13	36	33	34	11	4	3									142
	135.00				4	5	32	61	41	25	10	3									181
	130.00			6	28	51	74	44	20	8											231
	125.00	1		6	35	75	63	45	7	8			1								241
	120.00		3	15	47	69	64	17	5	1											221
	115.00		3	19	68	60	48	10	1												209
	110.00		5	24	54	35	23	9	2												152
	105.00		9	26	40	25	11	2													113
	100.00		7	19	16	16	2	1													61
	95.00	1	4	7	6	3	1														22
	90.00				2																4
	85.00		1																		1
TOTALS		2	34	130	309	389	418	270	167	96	53	21	9	5	1	1	1905				

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-WEIGHT	127.28	16.59	6.387X -	23.725	11.08	0.744
X-CHEST DEPTH	23.64	1.93	0.087Y +	12.569	1.29	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND WAIST DEPTH

WEIGHT	WAIST DEPTH															TOT
	12 .75	13 .75	14 .75	15 .75	16 .75	17 .75	18 .75	19 .75	20 .75	21 .75	22 .75	23 .75	24 .75	25 .75	ALS	
200.00											1	1				2
195.00											1					2
190.00										1	1					2
185.00								1		2	1	1	2			7
180.00								2	1							3
175.00							2	1	2	1	1					7
170.00							1	3	2	5		2		1		14
165.00						2	4	4	2	1	1	3				17
160.00						5	10	7	1	3	2	2				30
155.00					6	11	10	7	7	6	1	1				49
150.00				2	9	23	20	7	10	1						72
145.00			1	2	23	45	29	11	5	5		1				122
140.00				12	40	45	33	9	1	1	1					142
135.00			1	23	64	58	24	6	4	1						181
130.00		1	5	39	102	48	29	5	2							231
125.00		1	12	49	103	50	23	3								241
120.00		2	23	82	70	35	9									221
115.00		4	31	84	60	26	3	1								209
110.00		6	29	68	42	6	1									152
105.00	1	5	39	46	19	3										113
100.00		5	23	28	5											61
95.00	1	2	12	6		1										22
90.00		1	2	1												4
85.00		1														1
TOTALS	2	28	178	442	543	358	198	67	37	27	10	11	3	1	1905	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R	
Y-WEIGHT	127.28	16.59	7.306X +	2.974	11.22	0.736
X-WAIST DEPTH	17.01	1.67	0.074Y +	7.596	1.13	

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND ABDOMINAL EXTENSION DEPTH

ABDOMINAL EXTENSION DEPTH																	
	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
200.00												1		1			2
195.00														1			2
190.00														1	1		2
185.00													1	1	1		3
180.00										1		1	1	1	3		7
175.00							1		1	1							3
170.00									2	3	1	2	1	1		1	7
165.00							1	3	1	4	3		2	2			17
160.00						1	3	5	8	3	4	3	2	1			30
155.00						2	8	10	8	10	5	5	1				49
150.00					2	8	15	17	14	9	7						72
145.00					5	16	35	33	18	11	2	2					122
140.00				1	16	24	42	32	20	6		1					142
135.00				9	23	59	47	28	11	4							181
130.00			2	9	45	78	64	21	9	2	1						231
125.00		1	5	23	59	73	50	21	8	1							241
120.00		2	8	37	74	64	30	3	3								221
115.00	1	2	19	54	75	41	16	1									209
110.00		7	22	42	53	23	4	1									152
105.00	3	5	27	41	31	6											113
100.00	1	3	23	23	8	3											61
95.00	1	4	9	7	1												22
90.00			3	1													4
85.00		1															1
TOTALS	6	25	118	247	392	398	316	175	103	55	26	19	8	10	6	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R	
Y-WEIGHT	127.28	16.59	6.193X -	2.093	10.14	0.791
X-ABDOMINAL EXT DPTH	20.89	2.12	0.101Y +	8.035	1.30	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND BUTTOCK DEPTH

	BUTTOCK DEPTH																TOT ALS
	15 .75	16 .75	17 .75	18 .75	19 .75	20 .75	21 .75	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	30 .75	
200.00											1		1				2
195.00											1	1					2
190.00										1			1				2
185.00											2	2		1			7
180.00									2			1					3
175.00									1	2	3					1	7
170.00								2	3	5	3	1					14
165.00							1	1	7	3	2	2	1				17
160.00					1	1	1	4	8	8	6	1					30
155.00						3	6	13	12	10	3	2					49
150.00						1	16	20	20	10	5						72
145.00					2	8	31	51	22	6	2						122
140.00					10	28	47	36	17	4							142
135.00				2	10	46	66	40	13	4							181
130.00				2	37	72	78	34	7		1						231
125.00				7	44	85	72	26	6	1							241
120.00				20	67	86	36	12									221
115.00			6	34	79	71	17	2									209
110.00			7	33	66	34	11	1									152
105.00		1	24	46	31	9	1	1									113
100.00		4	16	24	12	4	1										61
95.00		2	10	8	2												22
90.00		2	2														4
85.00	1																1
TOTALS	1	9	65	176	361	448	384	243	118	54	29	10	5	1	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WEIGHT	127.28	16.59	7.458X -	30.480	9.84
X-BUTTOCK DEPTH	21.15	1.79	0.087Y +	10.080	1.06

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND THIGH CLEARANCE

	THIGH CLEARANCE																TOT ALS
	9 .00	9 .50	10 .00	10 .50	11 .00	11 .50	12 .00	12 .50	13 .00	13 .50	14 .00	14 .50	15 .00	15 .50	16 .00	16 .50	
200.00														1			2
195.00												1					2
190.00												1					2
185.00											2		1				7
180.00													1				3
175.00							1				2	1	2	1			7
170.00									1	2	2	3	3	2			14
165.00							1	2	2	1	3	1	3	4			17
160.00								2	2	5	4	8	5	2	1		30
155.00					2	1	1	4	7	7	6	11	8	1	1		49
150.00				1				8	9	11	22	15	5	1			72
145.00					1	3	4	14	22	31	27	12	5	3			122
140.00			1		5	9	5	26	27	31	23	8	5	2			142
135.00				3	7	12	23	24	42	44	19	7					181
130.00				5	14	31	38	44	48	30	17	3	1				231
125.00				3	11	48	51	54	38	21	11	3	1				241
120.00				4	12	22	40	59	34	32	12	4	1	1			221
115.00			1	3	23	29	40	59	31	15	6	1	1				209
110.00			2	9	23	25	40	25	14	9	3	1	1				152
105.00			2	8	19	25	31	20	5	2		1					113
100.00		2	3	12	15	11	14	3	1								61
95.00		6	2	5	7		1	1									22
90.00		2	1		1												4
85.00		1															1
TOTALS	2	17	40	109	160	270	291	264	256	206	145	77	40	18	4	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WEIGHT	127.28	16.59	9.453X +	9.722	11.62
X-THIGH CLEARANCE	12.44	1.25	0.054Y +	5.563	0.88

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND SHOULDER LENGTH

		SHOULDER LENGTH																	TOT
		11	12	12	13	13	14	14	15	15	16	16	17	17	18	18	19	ALS	
		.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	1	
WEIGHT	200.00						1										1	2	
	195.00										1	1						2	
	190.00						1			1								2	
	185.00						1	2	1	1	1	1						7	
	180.00						2	1										3	
	175.00						1	3	1			1	1					7	
	170.00					3	1	3	2	3	1	1						14	
	165.00		1			3	2	1	3	4	1	2						17	
	160.00			1			6	7	7		7		1		1			30	
	155.00				2	5	5	6	7	11	6	4	1	2				49	
	150.00			1	2	4	12	14	10	13	9	6			1			72	
	145.00			2	3	6	13	21	21	22	16	11	6		1			122	
	140.00			2	8	7	23	25	25	25	14	8	4	1				142	
	135.00				3	9	31	41	39	30	22	6						181	
	130.00		3	2	7	23	34	47	43	38	16	9	7	2				231	
	125.00	1	2	4	17	22	53	42	36	31	16	8	5	3	1			241	
	120.00		2	9	11	27	40	56	31	24	12	4	5					221	
	115.00		2	4	11	30	54	33	36	26	8	4	1					209	
	110.00			10	19	17	30	29	21	14	9	3						152	
105.00			3	13	13	26	27	17	10	2	2						113		
100.00		1		9	11	16	5	6	7	5	1						61		
95.00		2		3	5	4	6	2									22		
90.00				1	1		1	1									4		
85.00				1													1		
TOTALS		1	13	38	110	186	356	370	309	260	146	72	31	8	4	0	1	1905	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R	
Y-WEIGHT	127.28	16.59	4.440X	+	62.188	15.95	0.273
X-SHOULDER LENGTH	14.66	1.02	0.017Y	+	12.497	0.98	

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND NECK-TO-BUSTPOINT LENGTH

NECK-TO-BUSTPOINT LENGTH														
	19	20	21	22	23	24	25	26	27	28	29	30	31	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
200.00												1	1	2
195.00									1	1				2
190.00									1		1			2
185.00										3	2		1	7
180.00								1	1			1		3
175.00						1		1	2	1	1		1	7
170.00							1		5	3	3	2		14
165.00						1	3	3	1	2	4	2	1	17
160.00					1	1	6	5	9	6	1	1		30
155.00					2	2	9	9	13	10	3		1	49
150.00						6	15	21	7	11	10	2		72
145.00			1	3	6	20	20	31	25	9	5	2		122
140.00			2	3	11	24	33	28	33	4	3	1		142
135.00		1	2	5	16	39	56	30	19	10	3			181
130.00			7	8	35	39	55	44	26	13	2	2		231
125.00		1	5	9	47	59	54	37	18	8	3			241
120.00		2	4	23	46	57	53	28	5	1	2			221
115.00		3	9	17	55	59	36	21	8	1				209
110.00		3	12	26	30	38	30	10	3					152
105.00		1	6	17	30	33	14	11	1					113
100.00		1	4	21	16	11	4	2	2					61
95.00	1		2	9	5	5								22
90.00			1	2	1									4
85.00				1										1
TOTALS	1	12	55	144	301	395	389	282	180	83	43	15	5	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R	
Y-WEIGHT	127.28	16.59	5.025X	-	0.829	13.60	0.573
X-NECK-BUSTPOINT L	25.49	1.89	0.065Y	+	17.221	1.55	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND STRAP LENGTH

WEIGHT	STRAP LENGTH															TOT ALS
	53 .25	55 .25	57 .25	59 .25	61 .25	63 .25	65 .25	67 .25	69 .25	71 .25	73 .25	75 .25	77 .25	79 .25		
200.00											1		1			2
195.00											2					2
190.00									1			1				2
185.00										1			1	1		7
180.00									1	1		1				3
175.00								1	1		1	1				7
170.00							1	1		6	3	1	2			14
165.00							2	3	1	4	4	2	1			17
160.00							2	4	8	8	4	2				30
155.00							3	3	12	10	7	1	1			49
150.00					2		2	14	14	14	13	8	3	2		72
145.00					6	9	24	27	30	16	7	3				122
140.00				1	4	15	38	35	26	20	2	1				142
135.00		1		1	14	30	43	45	31	10	5		1			181
130.00				1	8	26	41	52	55	33	10	4				231
125.00			1	3	11	35	57	60	46	21	6	2				241
120.00		1	1	16	47	59	51	34	9	2	1					221
115.00		2	6	16	59	53	41	24	6	1						209
110.00	1	3	9	26	34	37	28	12	2							152
105.00		2	6	20	26	35	15	7	2							113
100.00		2	4	20	19	9	5	1	1							61
95.00	1		3	8	7	3										22
90.00			2		2											4
85.00					1											1
TOTALS	2	11	35	127	282	355	379	321	197	112	92	21	10	1	1905	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WEIGHT	127.28	16.59	2.767X -	53.185	12.54
X-STRAP LENGTH	65.22	3.92	0.155Y +	45.492	2.97

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND INTERSCYE CURVATURE

INTERSCYE CURVATURE																		
	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
200.00												1				1		2
195.00													1	1				2
190.00														1		1		2
185.00										1		2	3		1			7
180.00						1			1				1					3
175.00									1	1			2	2			1	7
170.00							2	1		4	1	1	2	2	1			14
165.00								4	1	3	1	3	2	2	1			17
160.00							2	1	1	7	6	2	7	2	2			30
155.00					1	1	3	6	7	11	8	4	5	1	1	1		49
150.00						5	4	8	10	18	5	13	5	3	1			72
145.00				1	2	5	12	21	22	15	20	15	8		1			122
140.00		1	2	2	4	7	13	15	32	21	16	17	6	4	1		1	142
135.00				2	15	5	24	26	31	33	25	14	3	2	1			181
130.00			1	5	11	24	34	47	39	30	23	14	2	1				231
125.00		1	6	6	18	19	53	47	36	25	20	8	2					241
120.00		1	1	11	19	30	29	40	40	33	11	5	1					221
115.00	1		5	13	24	29	49	42	22	15	5	4						209
110.00		2	2	12	21	25	31	24	15	12	7	1						152
105.00	1	1	3	7	15	27	27	17	8	6	1							113
100.00	1	2	3	9	7	13	13	7	5	1								61
95.00			4	3	2	4	5	3	1									22
90.00					1	1	1	1										4
85.00								1										1
TOTALS	3	8	27	71	140	196	302	311	272	236	149	104	50	21	10	3	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WEIGHT	127.28	16.59	3.630X +	0.024	14.02
X-INTERSCYE	35.06	2.44	0.079Y +	25.002	2.06

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND INTERSCYE CURVATURE, MAXIMUM

INTERSCYE CURVATURE, MAXIMUM

	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
200.00																									2
195.00																									2
190.00																									2
185.00																									7
180.00																									3
175.00																									7
170.00																									14
165.00																									17
160.00																									30
155.00																									49
150.00																									72
145.00																									122
140.00																									142
135.00																									181
130.00																									231
125.00																									241
120.00																									221
115.00																									209
110.00																									152
105.00																									113
100.00																									61
95.00																									22
90.00																									4
85.00																									1
TOTALS	1	1	7	8	18	31	49	80	126	172	212	213	232	217	183	133	100	53	38	17	5	4	4	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WEIGHT	127.28	16.59	2.789X -	10.468	0.553
X-INTERSCYE, MAXIMUM	49.39	3.29	0.110Y +	35.389	2.74

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND BACK CURVATURE

BACK CURVATURE

	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
200.00																						2
195.00																						2
190.00																						2
185.00																						7
180.00																						3
175.00																						7
170.00																						14
165.00																						17
160.00																						30
155.00																						49
150.00																						72
145.00																						122
140.00																						142
135.00																						181
130.00																						231
125.00																						241
120.00																						221
115.00																						209
110.00																						152
105.00																						113
100.00																						61
95.00																						22
90.00																						4
85.00																						1
TOTALS	3	4	23	48	94	126	250	279	230	226	190	136	121	59	56	20	22	5	11	1	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WEIGHT	127.28	16.59	3.295X -	11.586	0.606
X-BACK CURVATURE	42.15	3.05	0.112Y +	27.890	2.43

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND WAIST BACK

	WAIST BACK															TOT ALS
	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	44 .75	45 .75	46 .75	47 .75	
200.00										1	1					2
195.00										1	1					2
190.00						1				1	1					2
185.00				2				1		1	2	1				7
180.00							1			2						3
175.00							2		1	1	2			1		7
170.00			1			2	2	2	2	2	1	1	1			14
165.00					1	2	3	2	3	3	1	2				17
160.00		1	1			2	2	6	5	5	3	4	1			30
155.00		2	1			2	3	6	11	9	8	4	1	2		49
150.00				1	2	6	10	15	14	10	8	4	1	1		72
145.00		1			5	8	15	20	22	22	17	9	3			122
140.00				4	11	14	17	32	28	14	11	5	5	1		142
135.00		1	3	8	11	18	24	42	28	20	12	8	6			181
130.00			2	7	14	30	38	48	30	32	22	3	3	2		231
125.00		3	2	12	33	32	45	47	32	18	9	3	4		1	241
120.00	1		4	9	23	37	41	46	31	14	9	3	2		1	221
115.00		3		14	30	31	44	39	21	17	6	2	2			209
110.00	1	1	1	13	22	20	28	28	19	10	4	3	1	1		152
105.00		1	5	8	18	21	17	21	11	8	3					113
100.00	1	2	2	6	10	12	14	5	5	2	1	1				61
95.00	1		1	1	1	7	5	2	2	2						22
90.00	1			2		1										4
85.00							1									1
TOTALS	5	12	26	87	183	247	314	368	263	193	118	50	31	6	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R	
Y-WEIGHT	127.28	16.59	2.233X	+	36.820	15.83	0.298
X-WAIST BACK	40.51	2.22	0.040Y	+	35.420	2.12	

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND ANTERIOR WAIST LENGTH

	ANTERIOR WAIST LENGTH															TOT ALS
	27 .75	28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	
200.00										1		1				2
195.00					1								1			2
190.00						1			1	3		2				2
185.00							1		1		1					3
180.00					1	1		1	1	1	1			1		7
175.00					1	2	1	1	3	4	1	1			1	14
170.00						3	2	4	4	1	1					17
165.00				2		4	5	4	3	5	1	2	1			30
160.00					7	1	4	14	13	5	5					49
155.00				1	3	5	10	10	13	10	7					72
150.00			1	3	4	18	15	39	21	14	3	2	2			122
145.00				3	11	24	32	26	27	10	7	1	1			142
140.00				2	6	19	35	32	47	29	7	1	2	1		181
135.00				2	17	25	43	51	42	30	11	7		1	1	231
130.00		1	2	4	22	36	60	44	44	16	8	3	1			241
125.00		1	6	26	42	46	50	29	15	4	1	1				221
120.00	1		5	9	22	45	44	40	25	13	4	2				209
115.00		1	8	16	32	42	32	12	8		1					152
110.00		2	9	17	34	24	18	7	2							113
105.00			1	3	13	22	10	4	1		1					61
100.00	1	2	3	5	4	7	2									22
95.00		1	3	1	1	2										4
90.00																1
85.00			1													
TOTALS	2	15	49	156	294	378	342	310	205	88	41	15	6	3	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-WEIGHT	127.28	16.59	3.890X -	3.336	14.74	0.459
X-ANTERIOR WAIST LTH	33.58	1.96	0.054Y +	26.705	1.74	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND SLEEVE INSEAM

SLEEVE INSEAM

	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
200.00								1							1				2
195.00							1				1								2
190.00								2											2
185.00					1	1	1				2		1						7
180.00							1	2											3
175.00								3	1	1		2							7
170.00				1		1	2	1	2	2	3								14
165.00						2	2	2	5	3	1	1	1						17
160.00						3	3	2	3	5	8	1	3	1		1			30
155.00					2	4	5	5	6	9	4	5	7	2					49
150.00			1	1	2	1	11	10	16	11	8	8	2	1					72
145.00	1		1		1	4	9	17	17	20	20	16	7	6	1		1	1	122
140.00			4	2	10	14	13	22	25	18	12	11	5	4	1		1		142
135.00			1	4	4	14	23	29	32	28	26	12	4	3			1		181
130.00	1		2	4	18	14	34	42	48	31	15	6	9	3	2	2			231
125.00			3	5	19	30	30	44	39	29	25	9	7	1					241
120.00		2	2	5	20	29	25	50	34	25	8	12	7	2					221
115.00		3	4	12	23	19	36	45	21	19	14	6			1				209
110.00		1	2	12	15	28	17	32	17	15	11	2							152
105.00			4	4	16	22	19	19	15	5	9								113
100.00	2		2	4	6	4	11	16	8	6	2								61
95.00			1	1	5	5	3	2	4			1							22
90.00							3	1											4
85.00				1															1
TOTALS	4	7	26	56	145	199	247	346	295	230	162	96	57	22	7	2	3	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WEIGHT	127.28	16.59	1.979X +	39.954	15.88
X-SLEEVE INSEAM	44.13	2.42	0.042Y +	38.781	2.31

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND SPINE-TO-SCYE LENGTH (SLEEVE LENGTH SEGMENT)

SPINE-TO-SCYE LENGTH (SLEEVE LENGTH SEGMENT)

	15	16	16	17	17	18	18	19	19	20	20	21	21	22	22	23	23	24	24	25	25	TOT
	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	ALS
200.00														1		1						2
195.00														1		1						2
190.00																1	1					2
185.00												1	1	1	2			1				7
180.00												3										3
175.00														1	2	1	2					7
170.00							1		3	1	2	1	2	1	2	1						14
165.00							1	1		2	3	5	1	2		2						17
160.00							1		2	2	6	5	3	5	1	1	3			1		30
155.00							1	2	5	8	4	8	10	4	3	1			1	2		49
150.00						2	2	4	8	5	8	8	4	8	8	9	3	1	1	1		72
145.00					2	2	4	8	22	16	20	21	14	1	7	3	1	1		1		122
140.00					2	5	6	10	21	26	23	19	17	6	3	2		1	1			142
135.00	1	1	1		1	2	3	10	16	33	29	28	22	18	6	7	2	1				181
130.00				2	1	5	14	26	28	28	28	38	28	14	9	6	2		1			231
125.00	1	1	1		1	3	6	9	26	43	47	30	31	19	13	6	3	1				241
120.00				2	2	5	13	23	37	39	35	26	19	11	6	2	1					221
115.00		1		3	8	5	13	24	37	36	31	25	15	11								209
110.00				1		6	21	24	25	25	16	14	9	8	2	1						152
105.00				1	1	2	8	13	14	21	22	16	8	3	2	1	1					113
100.00			1	3		7	8	10	8	11	6	3	2	1	1							61
95.00					1	1	3	4	5	5	1	1		1								22
90.00						1	1	1		1												4
85.00									1	1												1
TOTALS	2	3	4	13	18	52	107	180	250	305	255	242	184	138	62	49	23	8	3	6	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WEIGHT	127.28	16.59	5.254X +	20.278	14.98
X-SPINE-TO-SCYE LGTH	20.37	1.36	0.035Y +	15.911	1.23

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND SPINE-TO-ELBOW LENGTH (SLEEVE LENGTH SEGMENT)

		SPINE-TO-ELBOW LENGTH (SLEEVE LENGTH SEGMENT)																						TOT
		44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	ALS			
WEIGHT	200.00	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	2
	195.00												1		1			1						2
	190.00											1		1										2
	185.00										1	1	2	1	1				1					7
	180.00												1	2										3
	175.00												1	1	1	1	1	1			1			7
	170.00									1	1	2	3	3	2	1	1		1					14
	165.00								1	1		1	4	3	4	2	1							17
	160.00										3	7	3	5	4	5	1	1			1			30
	155.00										3	2	8	6	7	12	4	3	3	1				49
	150.00						1			5	4	14	14	16	10	4	3	1						72
	145.00						1	4	7	9	19	28	25	14	8	3	3	3				1		122
	140.00							8	12	16	31	20	21	18	9	2	3			2				142
	135.00									17	32	39	37	18	15	9	2	1						181
	130.00			1						15	33	46	45	38	22	13	3	5						231
	125.00				1	3		2	11	24	51	46	42	28	23	8	2							241
	120.00							8	14	35	38	36	47	18	15	9	1							221
	115.00		1	1		1	10	21	32	35	40	34	26	5	2	1								209
	110.00						4	10	20	25	28	33	16	11	4	1								152
	105.00						5	6	23	23	24	16	9	4	2	1								113
	100.00	1			3		3	4	14	4	14	11	6	1										61
	95.00					2	3	7	3	5	2													22
	90.00						2	2																4
	85.00						1																	1
TOTALS		1	1	6	18	47	125	183	274	297	321	244	175	118	52	21	14	3	3	2	1905			

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R	
Y-WEIGHT	127.28	16.59	3.921X	-	81.775	13.64	0.569
X-SPINE-TO-ELBOW LTH	53.32	2.41	0.083Y	+	42.753	1.98	

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND SPINE-TO-WRIST LENGTH (SLEEVE LENGTH SEGMENT)

		SPINE-TO-WRIST LENGTH (SLEEVE LENGTH SEGMENT)																								TOT
		67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	ALS
WEIGHT	200.00	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	2
	195.00														1		1			1						2
	190.00														1				1							2
	185.00												1			2		2		1		1				7
	180.00														1		1	1								3
	175.00														1		1	1		2			1	1		7
	170.00										1				2	1	5	2		1						14
	165.00										1	1	1		3	1	3	5	1	3	1	1				17
	160.00											1	1	1	3	3	6	5	3	3	2		1		2	30
	155.00									2	1	1	1	1	3	10	5	4	4	5	3	3	4	1	2	49
	150.00					1					1	1	6	8	9	14	9	8	10	2	3					72
	145.00							1			1	5	4	7	12	15	21	14	15	10	8	4	2	2	1	122
	140.00								3		4	7	16	11	17	14	19	14	16	8	5	3	1	2	2	142
	135.00						2	1			4	7	14	20	33	31	23	14	15	5	5	4	3			181
	130.00						1	6	4		6	20	29	29	40	31	21	22	9	4	5	3				231
	125.00					2	1	2	14	12	24	25	39	36	32	15	24	8	4	3						241
	120.00					3	3	3	6	21	23	34	28	42	21	16	12	6	2	1						221
	115.00				1	1			4	10	13	19	34	30	29	27	14	17	5	4	1					209
	110.00					3	5	12	17	14	20	25	21	11	12	7	2	2	1							152
	105.00					1	8	11	13	14	21	11	19	7	5		1	2								113
	100.00	1		1		1	6	7	10	4	8	8	6	5	3	1										61
	95.00				1		2	5	2	7	1	2	1			1										22
	90.00								3	1																4
	85.00								1																	1
TOTALS		1	0	2	2	10	33	58	86	109	174	202	219	246	206	176	135	97	58	40	22	12	7	7	3	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R	
Y-WEIGHT	127.28	16.59	2.829X	-	97.861	13.67	0.566
X-SPINE-TO-WRIST LTH	79.58	3.32	0.113Y	+	65.201	2.74	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND GRIP STRENGTH

GRIP STRENGTH																								
	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44	46	48	50	52	TOT	
	.50	.50	.50	.50	.50	.50	.50	.50	.50	.50	.50	.50	.50	.50	.50	.50	.50	.50	.50	.50	.50	.50	ALS	
200.00															1							1	2	
195.00															1			1					2	
190.00												1			1								2	
185.00								3		1		1		2									7	
180.00								1															3	
175.00											1		2			1		1			1		7	
170.00						1		1			1	4	3	3		1							14	
165.00						1		2	2	1	5	3	1			1		1					17	
160.00									1	6	8	4	5	4				2					30	
155.00								3	2	2	10	8	7	2	5	6		1	2	1			49	
150.00						2	2	4	1	12	7	13	10	8	6	4		1	2				72	
145.00					1	1	5	6	9	16	20	16	13	12	11	5	3	3	1				122	
140.00		2			1	2	5	9	11	13	26	24	16	8	10	7	5	1	1	1			142	
135.00					1	2	2	11	16	12	19	39	18	26	11	9	9	3	2			1	181	
130.00	1	1			1	1	7	9	24	21	33	36	21	31	15	17	6	4	2	1			231	
125.00		1			1	3	9	20	16	35	42	35	35	16	16	9	2		1				241	
120.00					1	3	4	24	17	29	44	37	22	19	7	8	3	2	1				221	
115.00	1				5	23	15	24	31	31	34	13	15	8	6	2							209	
110.00					1	3	10	16	20	18	25	24	19	8	3	4	1						152	
105.00					1	2	9	17	16	19	17	13	11	4	2	2							113	
100.00			1	2	1	3	9	9	10	13	7	3	1	2									61	
95.00						2	3	7	1	5	1	2		1									22	
90.00						1		1		2													4	
85.00						1																	1	
TOTALS	2	4	2	8	22	78	136	179	202	282	304	218	177	104	87	52	18	17	7	3	2	1	1905	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-WEIGHT	127.28	16.59	1.050X +	95.895	15.47	0.361
X-GRIP STRENGTH	29.89	5.70	0.124Y +	14.109	5.32	

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND WAIST HEIGHT, OVER FOUNDATION GARMENT

WAIST HEIGHT, OVER FOUNDATION GARMENT																
WEIGHT	87	89	91	93	95	97	99	101	103	105	107	109	111	113	115	TOT
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
200.00								1						1		2
195.00									2							2
190.00										2						2
185.00							1		3	2	1					7
180.00										3						3
175.00								1	3	1				1		6
170.00						4	1			2	1	2				10
165.00							1	1	3	4	2	2				13
160.00							4	1	6	3	2	5				22
155.00				1			7	7	8	6	8	3	3			43
150.00		1		1	1	1	3	8	16	18	8	1	2			60
145.00					3	3	7	4	21	15	27	14	7	4	2	104
140.00		1			7	9	15	20	20	16	15	7			1	114
135.00				2	7	19	20	32	30	20	11	6	3	2	2	154
130.00		1		8	9	27	36	43	31	24	8	3	2			192
125.00			4	8	13	24	48	41	29	9	13	4	1			194
120.00		1	2	9	16	24	42	32	30	9	5	3	2			175
115.00		1	6	8	23	25	40	28	21	7	5	2				166
110.00			6	6	16	26	19	18	8	2	2					103
105.00		1	4	8	19	17	14	10	4	3	1					81
100.00		2	2	6	13	13	5	2	1							44
95.00	1	1		3	5	4										14
90.00				1				1								2
TOTALS	1	9	24	64	132	200	260	267	230	158	96	45	18	6	3	1513

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-WEIGHT	128.16	16.52	1.766X -	49.846	14.57	0.471
X-WAIST HEIGHT, OFG	100.80	4.40	0.126Y +	84.649	3.89	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND ABDOMINAL EXTENSION HEIGHT, OVER FOUNDATION GARMENT

ABDOMINAL EXTENSION HEIGHT, OVER FOUNDATION GARMENT

	79	81	83	85	87	89	91	93	95	97	99	101	103	105	107	TOT
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
200.00								1						1		2
195.00								1	1							2
190.00								1		1						2
185.00						1	1		3	1	1					7
180.00								1	2							3
175.00							2	1	2						1	6
170.00			1			1	1	1	2		3	1				10
165.00						1	2	3	3	2		2				13
160.00				1		1	2	3	2	7	2	3		1		22
155.00					2	1	8	6	7	5	10	2	2			43
150.00		1		1	2	1	2	13	18	14	6		2			60
145.00				1	1	3	17	15	14	25	16	7	3		2	104
140.00			3	3	8	6	18	24	13	15	16	5	2		1	114
135.00			1	3	8	18	22	28	25	21	15	8	3	2		154
130.00		1	1	8	11	23	37	42	26	24	11	6	1	1		192
125.00			5	4	13	23	44	55	16	17	11	4	2			194
120.00	1		2	7	13	37	28	39	26	8	11	1	2			175
115.00			5	12	16	29	33	37	16	12	4					166
110.00			2	7	16	20	27	17	8	4	2					103
105.00		1	4	9	10	22	16	8	8	2	1					81
100.00		2		5	12	15	4	5	1							44
95.00	1		1	1	4	3	4									14
90.00				1				1								2
TOTALS	2	5	25	63	116	205	268	302	193	158	109	41	18	4	4	1513

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WEIGHT	128.16	16.52	1.550X - 15.740	15.10	0.405
X-ABDOM EXT HGT, OFG	92.84	4.31	0.106Y + 79.254	3.94	

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND WAIST CIRCUMFERENCE, OVER FOUNDATION GARMENT

WAIST CIRCUMFERENCE, OVER FOUNDATION GARMENT

	55	57	59	61	63	65	67	69	71	73	75	77	79	81	83	85	87	89	TOT
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
200.00															1	1			2
195.00																1	1		2
190.00													1	1					2
185.00												1	1		1	3	1		7
180.00												2	1						3
175.00												1	3	1			1		6
170.00												4	3	2				1	10
165.00									1	2	1	3	3	2		1			13
160.00								1	5	6	4	4		1	1				22
155.00						1	1	3	7	10	9	5	4	3					43
150.00							5	9	14	16	6	8	2						60
145.00					2	6	17	34	16	14	6	3	3	2	1				104
140.00					3	16	27	28	16	17	3	3		1					114
135.00				2	14	28	53	36	12	6	3								154
130.00			2	11	36	55	46	24	11	6	1								192
125.00			1	11	52	61	45	14	8	2									194
120.00			6	52	51	40	19	6		1									175
115.00		4	17	53	58	21	10	2		1									166
110.00	1	6	24	35	28	6	3												103
105.00	2	11	23	35	8	2													81
100.00	1	9	23	9	2														44
95.00		6	6	2															14
90.00		2																	2
TOTALS	4	38	102	210	254	236	226	157	90	81	33	34	21	13	4	6	3	1	1513

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WEIGHT	128.16	16.52	2.670X - 48.680	8.61	0.853
X-WAIST CIRCUM, OFG	66.23	5.28	0.273Y + 31.244	2.75	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND ABDOMINAL EXTENSION CIRCUMFERENCE, OVER FOUNDATION GARMENT

ABDOMINAL EXTENSION CIRCUMFERENCE, OVER FOUNDATION GARMENT

	70	73	75	78	80	83	85	88	90	93	95	98	100	103	105	108	110	113	115	118	TOT
	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	ALS
200.00															1			1			2
195.00																	2				2
190.00																				2	2
185.00														1		1		1	2	1	7
180.00														1					1		3
175.00									1					2		1	1				6
170.00										2			2	4			1	1	1		10
165.00										3	7		2	4	3	1		1			13
160.00										5	5	7	8	6	7	3	2				22
155.00										4	12	16	14	10	4						43
150.00													6	7	2						60
145.00						3	9	12	27	20	18										104
140.00				1	1	6	5	22	25	19	19	14			1						114
135.00			1	2	3	10	25	35	35	25	12	6									154
130.00		1		2	4	25	49	41	43	16	10	1									192
125.00				5	9	36	46	47	30	14	5	2									194
120.00			4	9	21	43	46	28	19	5											175
115.00				6	21	47	45	26	18		1										166
110.00		2	7	15	43	23	10	3													103
105.00	3	5	14	16	25	13	4	1													81
100.00		6	11	15	7	5															44
95.00	1	4	5	3	1																14
90.00	1		1																		2
TOTALS	5	18	49	89	161	209	220	207	190	120	97	58	28	26	15	5	4	5	4	3	1513

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WEIGHT	128.16	16.52	1.920X - 39.791	8.85	0.844
X-ABDOM EXT CIRC,OFG	87.48	7.26	0.371Y + 39.927	3.89	

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL, OVER FOUNDATION GARMENT

HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST, OVER FOUNDATION GARMENT

	77	79	81	83	85	87	89	91	93	95	97	99	101	103	105	107	109	111	113	115	117	119	TOT
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
200.00																	1						2
195.00																		1	1				2
190.00																					1	1	2
185.00															1			2		4			7
180.00														1			2	1	1		1		3
175.00											1			2		1	2	3					6
170.00												2		4	3	4				1			10
165.00														4	8			2					13
160.00										1	2	1	6	4	8								22
155.00										1	2	8	10	11	6	3	2						43
150.00										1	9	17	19	6	6	2							60
145.00											6	17	32	28	12	9							104
140.00											2	13	26	39	21	9	2						114
135.00						1	1	12	33	46	43	15	3										154
130.00							10	29	57	65	24	6	1										192
125.00							1	14	54	70	40	12	2	1									194
120.00								10	37	75	38	14											175
115.00						8	31	62	51	12	2												166
110.00						2	12	42	32	12	3												103
105.00						8	29	35	8	1													81
100.00			7	12	20	3	1	1															44
95.00			4	8	1	1																	14
90.00	1	1																					2
TOTALS	1	1	11	30	70	124	165	237	232	213	164	99	63	37	28	12	8	7	2	5	3	1	1513

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WEIGHT	128.16	16.52	2.675X - 122.524	6.69	0.914
X-HIP C-7" BLW W,OFG	93.71	5.65	0.312Y + 53.728	2.29	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND HIP CIRCUMFERENCE-NINE INCHES BELOW WAIST LEVEL, OVER FOUNDATION GARMENT

HIP CIRCUMFERENCE-NINE INCHES BELOW WAIST, OVER FOUNDATION GARMENT

	77	79	81	83	85	87	89	91	93	95	97	99	101	103	105	107	109	111	113	115	117	119	TOT
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
200.00																		1				1	2
195.00																		1					2
190.00																			1				2
185.00																	1	2		1		1	7
180.00																1	1		1		2		3
175.00																	2	1	2	1			6
170.00												1	1	2		2	2	1	1	1			10
165.00														3	4	4		1	1				13
160.00										1			2	3	1	8	6	1					22
155.00												1	3	12	9	10	3	3	2				43
150.00												3	8	18	16	11	3	1					60
145.00										5	25	27	23	17	6	1							104
140.00								1	1	10	34	36	20	8	3	1							114
135.00						1		4	13	32	41	42	17	4									154
130.00							1	19	32	47	53	34	5	1									192
125.00						2		5	23	49	64	35	12	2	2								194
120.00					1	3	19	41	63	29	16	2	1										175
115.00					3	16	42	46	41	16	2												166
110.00					3	24	40	21	13	2													103
105.00			1	3	19	30	19	9															81
100.00		2	7	4	11	14	5	1															44
95.00			3	7	3																		14
90.00	1	1																					2
TOTALS	1	3	11	14	40	90	132	165	212	206	210	167	102	65	42	21	8	10	4	6	2	2	1513

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WEIGHT	128.16	16.52	2.537X - 113.606	7.35	0.896
X-HIP C-9" BLW W.OFG	95.30	5.83	0.316Y + 54.797	2.59	

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND WAIST BREADTH, OVER FOUNDATION GARMENT

WAIST BREADTH, OVER FOUNDATION GARMENT

	17	18	19	20	21	22	23	24	25	26	27	28	29	30	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
200.00										2					2
195.00									1						2
190.00									1						2
185.00								2		2	1	1	1		7
180.00							1		1	1					3
175.00									3	2	1				6
170.00								6	1	2				1	10
165.00						1	4	4	2		2				13
160.00					3	3	8	4	1	3					22
155.00				2		2	10	11	11	6	1				43
150.00					12	14	15	12	6						60
145.00			2	9	18	36	20	11	7		1				104
140.00			5	16	33	33	18	7	2						114
135.00		1	14	34	52	37	12	2	2						154
130.00		5	28	57	55	31	12	1	3						192
125.00		5	34	66	55	26	4	3	1						194
120.00	2	17	55	58	25	14	2	2							175
115.00	4	29	50	57	21	4	1								166
110.00	6	24	45	20	5	3									103
105.00	9	25	24	18	4	1									81
100.00	11	17	14	1	1										44
95.00	3	8	3												14
90.00	2														2
TOTALS	37	131	274	338	286	213	108	65	37	13	6	2	2	1	1513

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WEIGHT	128.16	16.52	6.712X - 15.431	10.37	0.778
X-WAIST BREADTH, OFG	21.39	1.92	0.090Y + 9.859	1.20	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND HIP BREADTH, OVER FOUNDATION GARMENT

HIP BREADTH, OVER FOUNDATION GARMENT

	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
200.00											1					1	2
195.00													1				2
190.00														1		1	2
185.00												3	2		1		7
180.00												2					3
175.00								1		1	1	2	1				6
170.00								1	2	2	1	1	2			1	10
165.00									3	2	4	3	1				13
160.00						1	1		3	8	7	2					22
155.00							3	4	12	13	7	3	1				43
150.00							6	8	19	13	9	5					60
145.00					2	4	14	34	28	14	6	2					104
140.00						5	33	29	30	13	4						114
135.00			1		6	19	45	46	27	7	3						154
130.00				4	23	34	55	47	20	9							192
125.00			2	5	23	56	60	31	16	1							194
120.00		1	2	8	40	54	51	16	3								175
115.00			6	16	57	56	23	7	1								166
110.00			6	27	40	19	9	1	1								103
105.00		3	13	33	22	7	3										81
100.00	2	7	10	12	11	1	1										44
95.00		3	5	6													14
90.00	2																2
TOTALS	4	14	45	111	224	256	304	225	165	83	43	23	8	3	2	3	1513

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WEIGHT	128.16	16.52	6.302X -	84.040	9.51
X-HIP BREADTH, OFG	33.67	2.14	0.106Y +	20.087	1.23

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND WAIST DEPTH, OVER FOUNDATION GARMENT

WAIST DEPTH, OVER FOUNDATION GARMENT

	11	12	13	14	15	16	17	18	19	20	21	22	23	24	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
200.00										1		1			2
195.00														2	2
190.00										2					2
185.00									2	1	2	1	1		7
180.00									2						3
175.00						1			2	2	1				6
170.00							1	1	2	1	3	1		1	10
165.00					1	1	2	1	3	2	1	2			13
160.00					1	8	3	5	2	2		1			22
155.00						8	6	6	8	4	3	1			43
150.00				1	4	9	16	17	12	4	2				60
145.00				7	25	29	22	12	6	1	2				104
140.00			3	13	42	32	15	9							114
135.00			5	39	57	36	11	5	1						154
130.00		2	20	44	90	22	8	3	2	1					192
125.00		4	25	54	68	32	9	2							194
120.00		9	42	65	45	11	2	1							175
115.00	1	12	51	61	32	7	2								166
110.00	1	13	42	31	13	2	1								103
105.00	1	21	36	19	3	1									81
100.00	1	10	23	9	1										44
95.00		8	4	2											14
90.00		1	1												2
TOTALS	4	88	252	345	391	206	101	61	31	19	12	7	1	3	1513

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WEIGHT	128.16	16.52	6.866X +	20.717	10.60
X-WAIST DEPTH, OFG	15.65	1.85	0.086Y +	4.627	1.18

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND ABDOMINAL EXTENSION DEPTH, OVER FOUNDATION GARMENT

ABDOMINAL EXTENSION DEPTH, OVER FOUNDATION GARMENT

	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
200.00														1		1		2
195.00																	2	2
190.00															1		1	2
185.00										1		1		1	1	1	2	7
180.00											1		1		1			3
175.00								1					2	2	1			6
170.00												3	3	2		1	1	10
165.00									1		4	2	2	2	3	1		13
160.00							1	4	2	4	3	5	2	1				22
155.00							3	6	4	6	14	3	5	1		1		43
150.00							1	6	9	8	19	6	6	2	3			60
145.00					4	5	16	20	27	18	6	6	2					104
140.00					3	12	25	28	17	17	11		1					114
135.00																		154
130.00					3	11	26	32	42	24	14	2						192
125.00				2	1	23	51	50	35	18	7	2	1	1	1			194
120.00				2	6	25	47	57	33	17	5	2						175
115.00				2	23	45	47	32	18	6	2							166
110.00				7	31	48	39	32	9									103
105.00	1	1		9	21	37	20	11	2		1							81
100.00		3	10	31	17	17	3											44
95.00		2	9	18	10	4	1											14
90.00	1	3	2	5	3													2
TOTALS	2	9	44	139	227	269	269	207	124	94	51	27	19	14	7	5	6	1513

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WEIGHT	128.16	16.52	5.311X + 23.027	10.11	0.791
X-ABDOM EXT DPTH,OFG	19.80	2.46	0.118Y + 4.672	1.51	

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND BUTTOCK DEPTH, OVER FOUNDATION GARMENT

BUTTOCK DEPTH, OVER FOUNDATION GARMENT

	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
200.00												1			1	2
195.00												1				2
190.00													1			2
185.00										1	2	1	2			7
180.00												1	1			3
175.00									1	1		2	1		1	6
170.00									4	2	3	1				10
165.00									1	4	2	2	3	1		13
160.00					1				5	6	2	2				22
155.00					1	3			7	12	8	3	1			43
150.00						2	17	22	13		4	2				60
145.00					2	22	34	29	13	3			1			104
140.00					7	36	38	21	10	2						114
135.00																154
130.00				1	23	61	53	13	3							192
125.00					10	56	79	38	5	4						194
120.00				1	18	67	76	24	6	2						175
115.00																166
110.00				1	24	60	59	20	1	1						103
105.00				2	22	43	27	7	2							81
100.00				5	40	30	5									44
95.00	1	11	19	10	2	1										14
90.00	2	7	5													2
TOTALS	3	28	123	215	319	347	226	112	73	28	16	13	5	3	2	1513

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R	
Y-WEIGHT	128.16	16.52	7.207X -	27.432	8.39	0.861
X-BUTTOCK DEPTH, OFG	21.59	1.97	0.103Y +	8.389	1.00	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND BUTTOCK CIRCUMFERENCE, SITTING, OVER FOUNDATION GARMENT

BUTTOCK CIRCUMFERENCE, SITTING, OVER FOUNDATION GARMENT

	83	85	87	89	91	93	95	97	99	101	103	105	107	109	111	113	115	117	119	121	123	125	127	129	TOT
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
200.00																		1					1		2
195.00																			1	1					2
190.00																					1			1	2
185.00																		2	2		1	1			7
180.00																1			1				1		3
175.00													2		1			2		1		1			6
170.00														3	2	2	1	1							10
165.00												1	1	3	2	2	3		2						13
160.00											1	1	4	7	5	2	2								22
155.00											2	7	12	5	12	3	1	1							43
150.00								1			5	20	16	10	5	1	2								60
145.00								9	14	25	25	18	12	1											104
140.00								4	14	24	29	26	10	2	4	1									114
135.00							5	13	29	50	36	19	2												154
130.00							11	31	69	43	24	11	2	1											192
125.00						3	23	53	62	33	13	4	3												194
120.00				2	1	20	49	43	46	11	1														175
115.00				1	18	40	55	34	16	2															166
110.00				7	21	36	27	8	3	1															103
105.00			2	12	30	28	8		1																81
100.00		1	10	12	15	5	1																		44
95.00		3	6	3	1		1																		14
90.00	1		1																						2
TOTALS	1	4	19	37	66	132	180	186	250	178	136	115	70	43	32	12	11	7	4	3	3	1	2	1	1513

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WEIGHT	128.16	16.52	2.442X - 115.110	7.14	0.902
X-BUTTOCK C, SIT, OFG	99.62	6.10	0.333Y + 56.942	2.64	

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND THIGH-TO-THIGH BREADTH, SITTING, OVER FOUNDATION GARMENT

THIGH-TO-THIGH BREADTH, SITTING, OVER FOUNDATION GARMENT

	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
200.00															1						1	2
195.00																		2				2
190.00																	1			1		2
185.00																4		1	1	1		7
180.00																	1	1		1		3
175.00											1		1				1	3				6
170.00											1		2	1	1	2	1	2				10
165.00												3	1	4	3	1						13
160.00									1	1	2	2	5	3	7	1		1				22
155.00								1			5	9	6	11	6	4	1					43
150.00										6	13	13	16	7	4	1						60
145.00							2	7	20	27	24	14	7	1	2							104
140.00							5	14	19	32	21	14	5	3	1							114
135.00					1	1	3	11	32	32	42	21	11									154
130.00						5	10	25	45	50	26	22	5	4								192
125.00					2	2	18	38	58	34	25	11	6									194
120.00					2	1	11	23	58	38	28	9	5									175
115.00					4	4	22	49	38	26	17	5	1									166
110.00					1	8	24	25	29	11	4	1										103
105.00					6	13	28	22	8	3		1										81
100.00		1		2	8	9	14	6	3	1												44
95.00				1	6	4	2	1														14
90.00				1	1																	2
TOTALS	1	3	4	28	42	109	157	218	236	211	190	132	81	43	29	15	7	6	3	0	1	1513

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WEIGHT	128.16	16.52	5.107X - 62.052	9.58	0.818
X-THI-THI BR, SIT, OFG	37.25	2.65	0.131Y + 20.456	1.52	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WEIGHT AND STATURE AS REPORTED BY SUBJECTS

STATURE AS REPORTED BY SUBJECTS

	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	TOT
	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	ALS
200.00										1					1			2
195.00							1				1							2
190.00										1	1							2
185.00									3		3	1						7
180.00										1	1	1						3
175.00								1		2	2		1				1	7
170.00					2		2	1		2	2	3	1	1				14
165.00								1	3	1	2	4	3	2	1			17
160.00						1	2	2	3	5	7	4	4	1				30
155.00						3	4	5	10	6	10	6	3		1	1		49
150.00						2	2	3	6	13	13	25	5	3				72
145.00		1			2	2	4	19	23	22	27	13	6	2	1			122
140.00		1	3		6	9	12	22	25	26	21	11	3	1	1			141
135.00				2	10	16	23	36	29	20	24	16	4		1			181
130.00		1	1	5	11	21	47	39	44	34	19	6	1	1				230
125.00			5	11	20	38	44	42	35	25	12	4	3	2				241
120.00			4	11	22	33	53	35	34	16	10	1		1	1			221
115.00		2	7	16	26	49	42	29	17	12	6	3						209
110.00			11	14	35	25	34	15	9	5	2	2						152
105.00			13	6	31	27	14	10	9	2	1							113
100.00	1		9	11	16	9	7	5	3									61
95.00			5	2	9	3	2	1										22
90.00			1	1	2													4
85.00					1													1
TOTALS	1	3	58	82	199	234	295	271	258	195	178	79	31	10	7	1	1	1903

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WEIGHT	127.27	16.59	3.825X - 120.606	13.74	0.561
X-HEIGHT, ESTIMATED	64.81	2.43	0.082Y + 54.369	2.01	

A BIVARIATE FREQUENCY TABLE FOR
TRICEPS SKINFOLD AND SUBSCAPULAR SKINFOLD

SUBSCAPULAR SKINFOLD

	5	7	9	11	13	15	17	19	21	23	25	27	29	31	33	35	37	TOT
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
46.25															2			2
44.25															1			1
42.25																		0
40.25									1									1
38.25										1								1
36.25						1	1	1	1	1					1	1		7
34.25										1	1		2		1		1	8
32.25			1		2		2	7	1	1	3	1	2	1	1			24
30.25			2	2	1	7	3	5	2	2	2	1	1					28
28.25			1	8	6	7	6	5	8	5	2	2						50
26.25		1	4	15	12	16	16	15	12	8	5	4	3		1			112
24.25		8	16	20	38	18	22	12	9	6	1	3						153
22.25		7	30	45	53	36	14	18	6	2	6	2			1			220
20.25		11	57	73	55	48	19	17	6	1	3		1		1			292
18.25		25	69	60	48	22	17	11	2	4	1							259
16.25	1	41	59	63	39	28	12	7	1	1								252
14.25	3	56	70	43	27	10	1	1	2		1							214
12.25	6	52	54	32	12	4	2		1									163
10.25	3	39	23	5	1	3	2				1							77
8.25	3	17	7	3	2		1											33
6.25	2	4	2															8
TOTALS	18	261	395	369	297	200	118	95	58	33	22	16	8	5	7	2	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R	
Y-TRICEPS SKINFOLD	19.03	5.44	0.685X +	10.224	4.31	0.610
X-SUBSCAPULAR SKINFOLD	12.86	4.85	0.544Y +	2.505	3.84	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
TRICEPS SKINFOLD AND SUPRAILIAC SKINFOLD

SUPRAILIAC SKINFOLD

	5	7	9	11	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	TOT
TRICEPS SKINFOLD	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
46.25																					2			2
44.25																	1							1
42.25																								0
40.25																						1		1
38.25										1														1
36.25												2	1	1			2	1						7
34.25										1						1		2			1			8
32.25							1	1	1	1	4	4	2	3	5		1			1	1			24
30.25			1	1			1	1	1	4	3	3	4	5	1	1	2							28
28.25						2	1	6	4	4	3	7	2	9	3	6			1	1			1	50
26.25			1	1	1	3	5	11	7	13	16	13	9	12	4	8	5	2			1			112
24.25			2	7	1	8	12	22	16	22	10	23	17	8	4	1								153
22.25			2	4	6	8	15	21	38	34	23	17	12	8	2	4	1	1		1				220
20.25			3	9	11	20	30	26	40	43	34	28	22	13	6	4	2							292
18.25			5	10	17	35	36	26	31	38	27	15	8	9	1	1								259
16.25	2	5	9	11	29	26	47	31	38	28	11	10	3	2										252
14.25	2	11	17	29	31	37	25	20	18	11	4	2	4	2	1									214
12.25	2	10	17	23	30	22	15	10	7	12	4	2	1											163
10.25		11	14	14	11	9	9	3	2		4													77
8.25	3	8	10	1	3	4		2	1				1											33
6.25	4	2	1	1																				8
TOTALS	13	57	95	122	169	192	189	224	210	181	125	111	79	55	30	23	12	8	1	2	5	1	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-TRICEPS SKINFOLD	19.03	5.44	0.469X +	9.782	4.34
X-SUPRAILIAC SKINFOLD	19.72	7.01	0.779Y +	4.897	5.59

A BIVARIATE FREQUENCY TABLE FOR
TRICEPS SKINFOLD AND MEDIAL CALF SKINFOLD

MEDIAL CALF SKINFOLD

	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	TOT
TRICEPS SKINFOLD	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
46.25													1	1					2
44.25																		1	1
42.25																			0
40.25													1						1
38.25														1					1
36.25								1	3	1		1			1				7
34.25								1		2	2	1					1		8
32.25				1				4		2	8	2	3	2	1			1	24
30.25			1				1	5	4	5	5	2	3	1					28
28.25				1			2	3	5	6	10	5	6	3	2	1			50
26.25		1	1		2	2	2	10	20	10	14	24	10	9	4	3			112
24.25			2	1	2	5	14	14	24	26	35	19	7	3	1				153
22.25		4	4		5	9	24	31	37	31	32	13	18	8	1	1	1		220
20.25		5	3	1	2	17	28	51	52	55	39	24	7	5	1	2			292
18.25	10	4	2	6	17	31	54	39	43	29	14	5	4	1					259
16.25	3		2	6	25	41	72	49	29	15	6	2	1		1				252
14.25	2			9	38	51	48	37	18	5	3	2	1						214
12.25	2	1	5	19	26	39	31	18	13	5	4								163
10.25	2	2	8	10	16	18	14	3	2	1				1					77
8.25		2	7	8	6	4	4		1	1									33
6.25		1	3	4															8
TOTALS	30	21	30	73	161	255	333	295	240	192	133	62	46	16	10	3	2	3	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-TRICEPS SKINFOLD	19.03	5.44	0.539X +	10.437	4.68
X-MEDIAL CALF SKINFOLD	15.95	5.17	0.485Y +	6.716	4.44

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
SUBSCAPULAR SKINFOLD AND SUPRAILIAC SKINFOLD

SUPRAILIAC SKINFOLD

SUBSCAPULAR SKINFOLD	SUPRAILIAC SKINFOLD																				TOT			
	5	7	9	11	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	49	ALS
37.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	1
35.25												1						1						2
33.25													1	1	2		3							7
31.25											2			1	1						2			5
29.25										1		1		3	1			2						8
27.25					1			1		2	1	2	1	1	1	4					1		1	16
25.25									1	1	2	5	3	1	3	2	1	1		2				22
23.25					1	1			2	2	1	2	5	5	5	3	1	3	1		1			33
21.25							2	4	3	6	9	7	7	10	3	2	3					1		58
19.25				1	1	5	3	9	12	9	14	7	17	6	4	4	1	1			1			95
17.25			3	3	1	7	3	12	20	22	9	13	10	7	4	3	1							118
15.25			4	2	7	12	15	21	38	27	27	21	11	8	3	2	2							200
13.25		1	2	11	18	21	39	52	45	30	28	30	11	7	1	1								297
11.25		1	7	21	31	52	60	51	46	49	19	15	9	4	2	2								369
9.25	2	11	34	42	67	61	40	59	34	30	8	5	2											395
7.25	9	37	41	42	39	32	26	13	9	3	5	2	2	1										261
5.25	2	7	4		3		1	1																18
TOTALS	13	57	95	122	169	192	189	224	210	181	125	111	79	55	30	23	12	8	1	2	5	1	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-SUBSCAPULAR SKINFOLD	12.86	4.05	0.456X +	3.865	3.65
X-SUPRAILIAC SKINFOLD	19.72	7.01	0.953Y +	7.469	5.27

A BIVARIATE FREQUENCY TABLE FOR
SUBSCAPULAR SKINFOLD AND MEDIAL CALF SKINFOLD

MEDIAL CALF SKINFOLD

SUBSCAPULAR SKINFOLD	MEDIAL CALF SKINFOLD																				TOT
	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	ALS
37.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	1
35.25										1	1										2
33.25							1					1	2		1			2			7
31.25				1				1				1	2								5
29.25						1		2	1		2		1		1						8
27.25	1					1	1	2	3		2	4		1	1						16
25.25						1	3	6	4	3	3		1	1							22
23.25			1		1		3	4	2	8	6	4	2	2							33
21.25			2		1		4	4	10	9	6	10	1	5	3	2	1				58
19.25			2		1	3	11	12	19	12	12	7	2	1			1				95
17.25	3	2	2		5	11	22	16	17	15	11	5	7	1	1						118
15.25	2	1	1	8	14	21	33	34	27	26	18	6	6		2	1					200
13.25	7	2	3	4	23	32	46	49	48	42	19	12	2	4	2	1	1				297
11.25	5	2	3	13	29	54	82	54	42	45	23	9	6	2							369
9.25	9	3	4	22	42	70	74	63	50	22	18	9	9								395
7.25	3	6	13	20	41	44	47	34	28	12	8	3	1	1							261
5.25			3	3	3	5	4														18
TOTALS	30	21	30	73	161	255	333	295	240	192	133	62	46	16	10	3	2	3			1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-SUBSCAPULAR SKINFOLD	12.86	4.05	0.311X +	7.900	4.57
X-MEDIAL CALF SKINFOLD	15.95	5.17	0.353Y +	11.407	4.87

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
SUPRAILIAC SKINFOLD AND MEDIAL CALF SKINFOLD

MEDIAL CALF SKINFOLD

	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	TOT
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
49.25												1							1
47.25													1						1
45.25												2	1	1			1		5
43.25										1	1								2
41.25														1					1
39.25								2		3	2	1							8
37.25	1					1	2		4	2	3	5	2			1		1	12
35.25						1	1	5	5	2	4	3	3	1					23
33.25		1	1			1	1	5	5	2	4	3	3	1	1			2	30
31.25	1			2		2	5	11	8	3	13	2	2	2	2	1			55
29.25	1	1	1	1	2	7	11	14	14	11	7	1	5	2	2				79
27.25	1	2		1	5	5	15	16	24	17	15	3	6	1					111
25.25	3	3	2	3	7	9	19	15	16	15	15	9	7	1	1				125
23.25	2	4		2	11	19	26	36	24	26	14	7	4	2					181
21.25	4			6	6	26	42	38	36	28	12	6	5			1			210
19.25	4	2	3	5	20	35	41	34	27	30	15	4	2	1			1		224
17.25	1	3	1	5	16	29	49	29	24	16	9	2	3	2					189
15.25	5	1	3	15	27	29	33	30	15	18	7	4	3	1	1				192
13.25		1	4	9	23	34	33	22	23	10	6	4							169
11.25	1		5	5	18	22	27	22	10	3	4	4	1						122
9.25	5	2	4	8	12	20	13	13	9	3	2	2							95
7.25	1	1	3	9	10	12	11	3	6		1								57
5.25			3	2	2	3	2	1											13
TOTALS	30	21	30	73	161	255	333	295	240	192	133	62	46	16	10	3	2	3	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-SUPRAILIAC SKINFOLD	19.72	7.01	0.505X +	11.670	6.51
X-MEDIAL CALF SKINFOLD	15.95	5.17	0.274Y +	10.542	4.80

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND STATURE, MAXIMUM

STATURE, MAXIMUM

	145	147	149	151	153	155	157	159	161	163	165	167	169	171	173	175	177	179	181	183	TOT
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
183.25																					1
181.25																			1		1
179.25																		8	1		9
177.25																		5			14
175.25																		3			13
173.25														1	41	11					53
171.25														61	21						82
169.25													1	83	41						125
167.25														113	74						187
165.25															125	57					183
163.25															164	77					241
161.25															2	183	75				260
159.25																146	65				211
157.25																	132	58			190
155.25																		101	59		160
153.25																		58	29	1	88
151.25																		42	18		60
149.25																		13	4		17
147.25																		5	3		8
145.25	2																				2
TOTALS	2	5	16	46	76	130	192	206	248	240	202	171	157	103	62	21	12	13	2	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-STATURE	162.10	6.00	0.995X +	0.169	0.38
X-STATURE, MAXIMUM	162.75	6.02	1.001Y +	0.482	0.38

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND CERVICALE HEIGHT

CERVICALE HEIGHT

	121	123	125	127	129	131	133	135	137	139	141	143	145	147	149	151	153	155	157	TOT
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
183.25																		1		1
181.25																				1
179.25																	1	2	4	9
177.25																	4	8	1	14
175.25																	5	4		13
173.25																	8			53
171.25																				82
169.25																				125
167.25																				187
165.25																				183
163.25																				241
161.25																				260
159.25																				211
157.25																				190
155.25																				160
153.25																				88
151.25																				60
149.25																				17
147.25																				8
145.25																				2
TOTALS	1	2	6	20	57	104	191	211	256	274	225	197	145	121	55	17	15	6	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-STATURE	162.10	6.00	1.063X + 14.138	1.28	0.977
X-CERVICALE HEIGHT	139.20	5.52	0.898Y - 6.373	1.17	

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND ACROMIAL HEIGHT

ACROMIAL HEIGHT

	115	117	119	121	123	125	127	129	131	133	135	137	139	141	143	145	147	149	151	TOT
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
183.25																				1
181.25																				1
179.25																				9
177.25																				14
175.25																				13
173.25																				53
171.25																				82
169.25																				125
167.25																				187
165.25																				183
163.25																				241
161.25																				260
159.25																				211
157.25																				190
155.25																				160
153.25																				88
151.25																				60
149.25																				17
147.25																				8
145.25																				2
TOTALS	1	3	16	50	84	144	193	278	278	225	218	159	130	65	37	14	8	1	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-STATURE	162.10	6.00	1.051X + 23.518	1.70	0.959
X-ACROMIAL HEIGHT	131.86	5.48	0.875Y - 9.980	1.56	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND SUPRASTERNAL HEIGHT

SUPRASTERNAL HEIGHT

	117	119	121	123	125	127	129	131	133	135	137	139	141	143	145	147	149	151	TOT
STATURE	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
183.25																		1	1
181.25																		1	1
179.25																		9	9
177.25																		14	14
175.25																		13	13
173.25																		53	53
171.25																		82	82
169.25																		125	125
167.25																		187	187
165.25																		183	183
163.25																		241	241
161.25																		260	260
159.25																		211	211
157.25																		190	190
155.25																		160	160
153.25																		88	88
151.25																		60	60
149.25																		17	17
147.25																		8	8
145.25																		2	2
TOTALS	3	13	37	70	157	202	254	289	244	227	166	131	64	23	14	10	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-STATURE	162.10	6.00	1.102X +	16.638	0.973
X-SUPRASTERNAL HGHT	132.00	5.30	0.859Y -	7.245	1.23

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND BUSTPOINT HEIGHT

BUSTPOINT HEIGHT

	101	103	105	107	109	111	113	115	117	119	121	123	125	127	129	131	133	135	137	TOT
STATURE	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
183.25																				1
181.25																				1
179.25																				9
177.25																				14
175.25																				13
173.25																				53
171.25																				82
169.25																				125
167.25																				187
165.25																				183
163.25																				241
161.25																				260
159.25																				211
157.25																				190
155.25																				160
153.25																				88
151.25																				60
149.25																				17
147.25																				8
145.25																				2
TOTALS	1	2	6	31	66	107	209	273	275	283	223	173	124	63	41	16	6	5	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-STATURE	162.10	6.00	1.067X +	35.857	0.927
X-BUSTPOINT HEIGHT	118.32	5.21	0.805Y -	12.174	1.96

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND WAIST HEIGHT

STATURE	WAIST HEIGHT															TOT ALS
	87 .25	89 .25	91 .25	93 .25	95 .25	97 .25	99 .25	101 .25	103 .25	105 .25	107 .25	109 .25	111 .25	113 .25	115 .25	
183.25													1			1
181.25														1		1
179.25												2	3	1	3	9
177.25											4	4	4	1		14
175.25										5	5	5	2	1		13
173.25									2	5	22	16	6	2		53
171.25								1	13	28	32	11	4			82
169.25							1	6	39	45	32	1	1			125
167.25						1	4	21	87	53	19	2				187
165.25						4	15	64	79	17	4					183
163.25					2	25	69	92	46	4		1				241
161.25					5	48	110	68	28							260
159.25			1		1	25	63	77	38	5	1					211
157.25				14	60	74	34	7	1							190
155.25			4	27	73	48	8									160
153.25		1	8	39	28	10	2									88
151.25		4	14	31	10											60
149.25	1	1	8	8												17
147.25	1	6		1												8
145.25	1	1														2
TOTALS	3	13	35	122	203	273	320	297	300	153	113	42	21	6	4	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-STATURE	162.10	6.00	1.219X +	39.864	2.44	0.914
X-WAIST HEIGHT	100.28	4.50	0.685Y -	10.762	1.83	

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND ABDOMINAL EXTENSION HEIGHT

ABDOMINAL EXTENSION HEIGHT																
STATURE	79	81	83	85	87	89	91	93	95	97	99	101	103	105	107	TOT
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
183.25														1		1
181.25														1		1
179.25														4		9
177.25											1	1		4	3	14
175.25											1	5	3	5		13
173.25											17	17	9	3		53
171.25								3	5	7	31	14	7			82
169.25							1	4	19	50	34	16	1			125
167.25						1	2	16	62	65	34	6	1			187
165.25						1	13	43	67	41	16	2				183
163.25						8	51	93	62	24	2		1			241
161.25					4	24	79	105	41	6	1					260
159.25				1	11	40	91	51	13							211
157.25			1	6	31	74	63	13	2	4						190
155.25			1	21	44	60	27	7								160
153.25			3	15	48	17	4	1								88
151.25			14	16	24	5										60
149.25	1		5	9	3											17
147.25	1	2	3	1	1											8
145.25	1	1														2
TOTALS	3	3	27	69	166	230	331	336	271	219	139	65	28	15	3	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-STATURE	162.10	6.00	1.218X +	48.644	2.65	0.897
X-ABDOMINAL EXT HGT	93.15	4.42	0.661Y -	13.998	1.96	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND TROCHANTERIC HEIGHT

STATURE	TROCHANTERIC HEIGHT																TOT ALS
	69 .25	71 .25	73 .25	75 .25	77 .25	79 .25	81 .25	83 .25	85 .25	87 .25	89 .25	91 .25	93 .25	95 .25	97 .25		
183.25													1				1
181.25													1				1
179.25											2	1	1		1		9
177.25										1	4	2	5	2			14
175.25										2	3	5	3				13
173.25									1	16	19	12	2	2	1		53
171.25								2	15	33	22	5	5				82
169.25							3	12	31	41	24	12	2				125
167.25						3	8	37	57	61	19	1	1				187
165.25					1	8	19	59	62	27	7						183
163.25				1	1	20	58	79	58	18	4	2					241
161.25				2		5	40	78	87	36	11						260
159.25					26	53	73	41	15	3							211
157.25			2	8	34	70	51	19	5	1							190
155.25			2	17	53	57	24	6									160
153.25			10	19	29	22	6	2									88
151.25	1	3	11	19	19	7											60
149.25		1	3	5	7	1											17
147.25		2	3	3													8
145.25	1		1														2
TOTALS	2	6	32	74	175	281	320	344	281	214	105	40	21	8	2		1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-STATURE	162.10	6.00	1.198X +	63.062	3.14	0.852
X-TROCHANTERIC HGHT	82.67	4.27	0.606Y -	15.562	2.24	

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND BUTTOCK HEIGHT

		BUTTOCK HEIGHT																	
STATURE		65	67	69	71	73	75	77	79	81	83	85	87	89	91	93	95	97	TOT
		.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
183.25																	1		1
181.25																		1	1
179.25														2	1	3	3		9
177.25													2	5	2	4	1		14
175.25												5	3	5					13
173.25										1	8	10	19	13	2				53
171.25										6	19	29	18	9				1	82
169.25									6	13	41	45	13	6	1				125
167.25								4	9	48	66	47	10	3					187
165.25							2	6	23	65	61	23	3						183
163.25							7	22	64	71	58	14	4	1					241
161.25						2	19	56	80	74	25	1	3						260
159.25					1	2	23	63	76	35	8	3			1				211
157.25					7	8	44	75	40	15	1								190
155.25					2	30	56	42	26	3	1								160
153.25					10	19	35	17	6	1									88
151.25		1			10	27	14	8											60
149.25					1	1	10	3	1	1									17
147.25				2	3	2	1												8
145.25	1				1														2
TOTALS		1	1	2	5	33	99	203	294	331	332	288	179	80	40	10	5	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-STATURE	162.10	6.00	1.222X +	61.639	3.19	0.847
X-BUTTOCK HEIGHT	82.21	4.16	0.588Y -	13.104	2.21	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND GLUTEAL FURROW HEIGHT

STATURE	GLUTEAL FURROW HEIGHT																TOT ALS
	59 .25	61 .25	63 .25	65 .25	67 .25	69 .25	71 .25	73 .25	75 .25	77 .25	79 .25	81 .25	83 .25	85 .25	87 .25		
183.25														1			1
181.25													1				1
179.25											2			5	1		9
177.25								1	1	1	3	5	1	2			14
175.25									2	1	5	3	2				13
173.25									5	14	20	11	3				53
171.25								6	8	35	23	8	2				82
169.25						2	3	16	32	37	32	3					125
167.25					2	1	12	39	64	50	16	2	1				187
165.25					1	5	31	63	53	24	5	1					183
163.25					5	18	51	82	59	19	5	2					241
161.25				1	9	34	83	81	37	14	1						260
159.25				1	20	57	65	51	14	3							211
157.25				6	29	72	57	23	3								190
155.25			3	10	37	63	39	7	1								160
153.25			3	17	24	28	13	3									88
151.25	1		6	14	25	13	1										60
149.25			1	7	5	3	1										17
147.25	1	3		2	2												8
145.25	1	1															2
TOTALS	3	4	13	58	159	296	356	372	279	198	112	35	11	8	1		1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-STATURE	162.10	6.00	1.251X	+	71.155	0.825
X-GLUTEAL FURROW HGT	72.70	3.96	0.544Y	-	15.483	2.24

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND TIBIALE HEIGHT

STATURE	TIBIALE HEIGHT																		TOT ALS
	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	44 .75	45 .75	46 .75	47 .75	48 .75	49 .75		
183.25													1					1	
181.25															1			1	
179.25												1		1	3	3	1	9	
177.25												2	2	3	3	3	1	14	
175.25											1	1	3	3	3	1	1	13	
173.25										4	12	9	16	8	2	1	1	53	
171.25								5	12	11	18	11	18	14	2	2		82	
169.25							1	4	10	25	35	27	14	7	2			125	
167.25					1		1	6	29	41	43	41	16	6	3			187	
165.25						1	6	21	36	43	41	27	7	1				183	
163.25					2	3	11	45	64	53	38	18	5	2				241	
161.25				1		7	29	58	69	57	27	10	2					260	
159.25				1	5	17	32	65	50	28	11							211	
157.25				3	9	32	50	37	39	13	7							190	
155.25				2	13	37	43	43	15	7								160	
153.25			1	3	20	17	23	12	8	4								88	
151.25		1	3	8	15	13	10	9	1									60	
149.25				2	5	9	1											17	
147.25				3	1	1	3											8	
145.25	1				1													2	
TOTALS	1	1	7	21	72	139	207	300	326	287	226	156	77	49	21	10	5	1905	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-STATURE	162.10	6.00	1.987X	+	78.684	0.787
X-TIBIALE HEIGHT	41.98	2.38	0.311Y	-	8.432	1.47

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND CROTCH HEIGHT

STATURE	CROTCH HEIGHT														TOT ALS
	61 .25	63 .25	65 .25	67 .25	69 .25	71 .25	73 .25	75 .25	77 .25	79 .25	81 .25	83 .25	85 .25	87 .25	
183.25													1		1
181.25														1	1
179.25											1	2	2	4	9
177.25										1	3	6	2	2	14
175.25										4	2	6	1		13
173.25									5	14	22	8	2	2	53
171.25								18	28	20	11				82
169.25							1	18	42	29	26	9			125
167.25						2	17	37	56	61	11	2	1		187
165.25						3	19	77	66	14	3	1			183
163.25				1	3	16	63	93	42	15	7	1			241
161.25					8	43	95	77	28	9					260
159.25					21	53	82	45	8	2					211
157.25					42	72	46	17	4						190
155.25			2	20	42	59	25	11	1						160
153.25			4	23	26	22	12		1						88
151.25	1	1	7	18	23	10									60
149.25			4	6	7										17
147.25		3	3	2											8
145.25	1		1												2
TOTALS	2	4	21	79	172	280	360	380	271	177	95	46	9	9	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-STATURE	162.10	6.00	1.265X	+	67.855	0.849
X-CROTCH HEIGHT	74.50	4.03	0.570Y	-	17.894	2.13

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND ANKLE HEIGHT

STATURE	ANKLE HEIGHT																		TOT
	7 .50	8 .00	8 .50	9 .00	9 .50	10 .00	10 .50	11 .00	11 .50	12 .00	12 .50	13 .00	13 .50	14 .00	14 .50	15 .00	15 .50	16 .00	ALS
183.25										1									1
181.25												1							1
179.25							1	3	2					1		2			9
177.25							1	1	1	3	2	1			1	2		1	14
175.25							2	1	3	2	1	3				1			13
173.25					2	7	1	11	4	9	6	6		2	2	1	2		53
171.25				1	1	11	12	7	9	8	6	11	1	10	2	1		1	82
169.25			1		2	4	19	10	22	13	11	12	17	4	5		2	2	125
167.25				6	5	23	26	31	17	20	17	21	7	10	2	2			187
165.25				2	14	30	20	28	17	26	19	18	1	5	2		1		183
163.25				1	7	20	45	19	49	21	36	13	23	6	7	2	1		241
161.25				2	13	21	39	22	34	35	38	27	22	1	4	2			260
159.25				1	16	15	37	34	26	25	28	9	14	2	3				211
157.25			3	2	13	13	42	21	32	12	20	15	14	2	1				190
155.25		1		2	10	10	30	20	22	25	20	8	6	2	3	1			160
153.25				2	11	11	17	12	15	8	7	2	2		1				88
151.25			1	1	7	8	14	5	11	8	2	1	2						60
149.25			1		2	4	2	3	3		2								17
147.25				1	1	1		3	1	1									8
145.25				1				1											2
TOTALS	1	6	14	91	129	318	211	289	201	233	138	161	29	51	15	9	5	4	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-STATURE	162.10	6.00	1.357X	+	146.923	0.306
X-ANKLE HEIGHT	11.19	1.35	0.069Y	+	0.002	1.29

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND LATERAL MALLEOLUS HEIGHT

	LATERAL MALLEOLUS HEIGHT								TOT ALS
	5 .00	5 .50	6 .00	6 .50	7 .00	7 .50	8 .00	8 .50	
STATURE									
183.25								1	1
181.25							1		1
179.25					4	2	2	1	9
177.25				2	4	4	2	2	14
175.25				3	3	2	5		13
173.25				6	25	14	8		53
171.25			2	8	39	26	5	2	82
169.25			10	20	46	33	13	3	125
167.25		1	19	43	78	33	11	2	187
165.25		3	18	43	80	25	13	1	183
163.25		5	27	58	96	39	12	4	241
161.25	2	4	46	82	90	30	6		260
159.25	2	6	32	65	76	21	9		211
157.25	1	9	44	69	56	10		1	190
155.25	3	5	40	49	54	6	3		160
153.25	3	4	28	31	18	4			88
151.25	3	8	17	19	11	2			60
149.25		1	5	6	4	1			17
147.25			3	2	3				8
145.25		1		1					2
TOTALS	14	47	291	507	687	252	90	17	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R	
Y-STATURE	162.10	6.00	4.355X	+	132.603	5.43	0.426
X-LAT'L MALLEOLUS HT	6.77	0.59	0.042Y	-	0.034	0.53	

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND SITTING HEIGHT, RELAXED

SITTING HEIGHT, RELAXED																										
STATURE	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	TOT		
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS		
183.25																								1		
181.25																				1				1		
179.25															1	1			3	1			1	9		
177.25																	1	1	1	4				14		
175.25													1	2	1	2	1	1	2	1	2			13		
173.25											1	3					8	8	12					53		
171.25									1	1	1	3	6	16	19	16	12	5	2	1				82		
169.25									1		5	12	14	23	21	27	10	7	3	1				125		
167.25							1	1	3	12	16	23	33	39	27	22	5	3	1	1				187		
165.25								1	1	4	11	23	33	39	28	24	12	7						183		
163.25				1	2		5	6	11	28	38	40	41	43	14	7	3		2					241		
161.25			1	3	2		6	19	28	38	42	45	35	29	8	3	1							260		
159.25			1	3	2	14	20	25	44	44	33	18	6	2										211		
157.25			1	3	5	10	33	39	46	23	14	12	3	1										190		
155.25			1	1	9	15	22	28	38	20	17	7	1	1										160		
153.25	1	1	1	4	6	12	10	22	14	10	5	2												88		
151.25		2		3	5	17	11	13	2	4	1	1	1											60		
149.25				3	6	5	2	1																17		
147.25			1	1		3		2																8		
145.25					1	1				1														2		
TOTALS	1	3	3	17	36	62	82	146	166	215	216	216	203	198	126	99	52	32	16	10	4	1	1	1905		

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R	
Y-STATURE	162.10	6.00	1.445X	+	40.322	3.74	0.782
X-SITTING HT, RELAXED	84.28	3.25	0.424Y	+	15.546	2.03	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND SITTING HEIGHT

SITTING HEIGHT

	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
STATURE	183.25																		1				1
181.25																							1
179.25													1	1			1	3	2			1	9
177.25														1	2	2	4	3		2			14
175.25														4	2	1	2	1	2	1			13
173.25										1	2	2	6	5	14	7	11	4		1			53
171.25								1	1	1	1	6	12	19	17	11	9	4	1				82
169.25									3	3	10	16	18	21	30	11	9	4					125
167.25								1	3	2	14	20	34	43	33	20	9	6	2				187
165.25								1	4	8	19	37	35	37	22	13	7						183
163.25					2	1	6	8	19	43	52	39	31	22	12	4		2					241
161.25				1	5	11	27	40	47	42	28	12	4	1									260
159.25				1		10	13	27	40	53	31	22	12	2									211
157.25			1		4	11	27	36	44	36	15	10	5	1									190
155.25			2	2	10	10	46	39	18	20	9	3	1										160
153.25	1		4	5	13	12	19	15	12	9	1												88
151.25	2		2	6	9	16	14	4	3	3	1												60
149.25			2	5	7	3																	17
147.25		1		2	2		1	1	1														8
145.25					2																		2
TOTALS	3	1	11	21	47	68	139	165	190	249	221	209	193	142	114	53	40	24	9	5	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-STATURE	162.10	6.00	1.517X +	32.248	3.60
X-SITTING HEIGHT	85.60	3.17	0.423Y +	17.030	1.90

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND EYE HEIGHT, SITTING

EYE HEIGHT, SITTING

	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
STATURE	183.25																				1
181.25																					1
179.25															1						1
177.25															1	3	4	2	2	1	14
175.25															5	2	1	2	2	1	13
173.25								1	1	3	2	4	10	11	10	5	5	1			53
171.25								1	1	2	8	16	11	16	17	5	2	1			82
169.25								2	7	15	12	23	20	22	10	8	3	3			125
167.25								2	5	11	31	34	39	26	17	14	5	2	1		187
165.25							1	6	9	27	28	31	28	27	14	9	3				183
163.25					1	1	5	17	25	32	42	41	32	27	11	3	1		2		241
161.25				1	1	3	15	24	41	40	44	40	25	19	4	3					260
159.25			1		3	6	11	25	31	49	37	26	17	5							211
157.25			1	1	8	9	15	30	49	32	25	15	3	3							190
155.25			1	3	6	17	20	29	35	27	15	2	2	3							160
153.25		1	2	2	9	13	12	18	16	8	3	4									88
151.25		1	2	3	8	13	11	10	8	1		1	2								60
149.25	1	1			3	4	3	3	2												17
147.25				2	1	1	3		1												8
145.25					1			1													2
TOTALS	1	3	7	16	42	66	97	165	222	237	245	216	192	156	101	70	34	16	13	6	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-STATURE	162.10	6.00	1.447X +	55.453	4.06
X-EYE HEIGHT, SITTING	73.70	3.06	0.375Y +	12.916	2.07

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND MIDSHOULDER HEIGHT, SITTING

MIDSHOULDER HEIGHT, SITTING

	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	TOT
STATURE	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
183.25															1			1
181.25														1				1
179.25											1	2	2	1	1	1	1	9
177.25											3	3	2	2	3		1	14
175.25								1		1	2	2	3	2	1	1		13
173.25								1	2	7	12	5	12	8	5	1		53
171.25								1	4	5	17	19	19	9	6	2		82
169.25								6	13	16	24	19	21	12	8	4	1	125
167.25				1	2	6	10	28	35	36	31	18	14	5	1			187
165.25					5	4	22	34	34	43	26	11	3	1				183
163.25			2	2	10	26	42	48	36	36	20	13	4	2				241
161.25				2	6	14	39	44	62	36	11	8						260
159.25		1	1	5	20	34	44	45	30	23	8			2				211
157.25		1	7	14	21	34	48	32	22	8	2	1						190
155.25		2	10	18	34	35	28	21	6	4	2							160
153.25		1	12	12	16	22	11	7	4	1								88
151.25	1	3	7	23	11	6	6	2	1									60
149.25		5	3	6	1		2											17
147.25			1	2	1	2		2										8
145.25		1		1														2
TOTALS	3	14	45	90	135	208	266	300	233	242	147	110	57	35	14	3	3	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-STATURE	162.10	6.00	1.618X +	68.263	4.19
X-MIDSHOULDER HT, SIT	58.00	2.66	0.317Y +	6.611	1.85

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND WAIST HEIGHT, SITTING

WAIST HEIGHT, SITTING

	18	18	19	19	20	20	21	21	22	22	23	23	24	24	25	25	26	26	27	27	28	28	29	TOT
STATURE	.00	.50	.60	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	ALS
183.25																								1
181.25																								1
179.25											1	1	2			1	1	1			1			9
177.25											1	1	3	1	2	1	4	1	1		1			14
175.25											1	1	1	2		2	1	1	2					13
173.25				1							4	1	5	2	12	8	3	4	2	2	3	1		53
171.25					1	1	2	2	3	4	4	6	9	9	17	5	7	6	4	1			1	82
169.25					1	1	1	4	8	8	18	10	7	21	15	12	6	7	3	1	2			125
167.25			1		2	3	2	4	11	14	15	19	25	32	21	11	12	4	4	6			1	187
165.25					2	1	5	13	12	13	19	18	25	22	26	12	6	3	1	3				183
163.25		1	1		6	4	9	11	22	29	24	32	25	27	18	18	9	2	2		1		1	241
161.25				1	3	7	3	10	17	34	21	26	40	28	23	20	11	8	3	3	2			260
159.25			1	1	1	2	7	9	13	20	17	34	16	33	18	19	8	11	2					211
157.25		2	2	1	3	11	13	18	24	26	20	26	18	13	5	3		2	3					190
155.25		3	3		6	7	13	25	21	11	20	19	15	8	3	3	2			1				160
153.25	1				4	3	10	10	12	11	6	11	8	2	1	1	1							88
151.25			2		4	4	10	7	3	10	4	7	4	1	1			1						60
149.25	1				1	2	1	3	3	2	1	1	1							1				17
147.25				1			1		1	1	3	1												8
145.25					1			1																2
TOTALS	3	6	12	12	42	51	86	128	179	171	200	215	212	189	150	95	66	34	28	17	6	0	3	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-STATURE	162.10	6.00	1.399X +	129.412	5.49
X-WAIST HGHT, SITTING	23.37	1.73	0.117Y +	4.402	1.59

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND ELBOW REST HEIGHT

STATURE	ELBOW REST HEIGHT																TOT ALS
	14 .75	15 .75	16 .75	17 .75	18 .75	19 .75	20 .75	21 .75	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	
183.25										1							1
181.25								1									1
179.25								2	1		2	1	2		1		9
177.25							1	2	1	2	4	2	1	1			14
175.25					1	1	1	1	3	2		1	2		1		13
173.25			2		1	4	2	10	8	8	9	4	1	2	1	1	53
171.25			1		2	5	3	13	13	14	9	10	6	1	4	1	82
169.25					3	12	13	14	21	19	14	12	6	4	7		125
167.25				1	11	11	15	32	25	31	20	23	9	6	3		187
165.25				4	7	13	20	22	30	37	19	11	13	5	2		183
163.25	1		2	2	14	23	29	32	41	37	26	12	7	6	5	1	241
161.25		1	1	2	6	14	25	30	46	41	32	24	20	7	5		260
159.25			2	2	8	27	24	25	30	32	32	20	6	2	1		211
157.25			1	3	10	18	25	32	39	28	21	7	4	1	1		190
155.25			1	1	7	10	18	24	22	19	13	14	4	1			160
153.25		1	1	1	5	6	9	13	10	12	14	8	3	2			88
151.25	1				4	12	11	8	7	7	5	1	1	2			60
149.25				2	2	3	3	5		2							17
147.25							1	2		1	3	1					8
145.25						1			1								2
TOTALS	2	4	12	33	93	182	215	283	295	286	211	143	72	40	31	3	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-STATURE	162.10	6.00	0.497X +	150.818	5.88
X-ELBOW REST HEIGHT	22.71	2.46	0.083Y +	9.252	2.41

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND POPLITEAL HEIGHT

STATURE	POPLITEAL HEIGHT																TOT ALS
	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	44 .75	45 .75	46 .75			
183.25												1					1
181.25														1			1
179.25										1	2	3	2	1			9
177.25										2	2	3	3	3			14
175.25										2	3	2	5	1			13
173.25								1	4	16	14	10	5	3			53
171.25							1	6	16	17	20	15	6	1			82
169.25						1	5	13	34	31	30	6	3	2			125
167.25							12	33	53	59	21	8	1				187
165.25					2	3	16	44	64	35	15	3	1				183
163.25					2	6	31	83	79	32	6	2					241
161.25					3	18	61	80	77	18	2			1			260
159.25					6	23	53	83	36	9							211
157.25				1	14	33	48	69	21	3	1						190
155.25				3	8	21	32	42	41	11	2						160
153.25				3	7	17	13	27	15	5		1					88
151.25		3		2	9	14	10	11	8	3							60
149.25			2	3	3	6			3								17
147.25			2	3	1	1											8
145.25	1			1													2
TOTALS	1	5	14	30	83	146	307	480	405	228	116	56	23	11			1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-STATURE	162.10	6.00	2.348X +	65.724	4.12
X-POPLITEAL HEIGHT	41.05	1.86	0.225Y +	4.574	1.28

A BIVARIATE FREQUENCY TABLE FOR STATURE AND BUTTOCK-POPLITEAL LENGTH

SUMMARY STATISTICS

A BIVARIATE FREQUENCY TABLE FOR STATURE AND BUTTOCK-KNEE LENGTH

SUMMARY STATISTICS

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TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND ACROMION-RADIALE LENGTH

STATURE	ACROMION-RADIALE LENGTH																				TOT ALS
	25	26	26	27	27	28	28	29	29	30	30	31	31	32	32	33	33	34	34	35	
	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	
183.25																				1	1
181.25																				1	1
179.25																					9
177.25											1				7		1	4	1		14
175.25												1			3	1	4	2	2	1	13
173.25											1	1	2	5	8	11	11	8	3	2	53
171.25						1	1			2		4	8	14	13	9	15	9	3	1	82
169.25										1	2	10	19	19	27	16	16	9	3	1	125
167.25						1	1	4		6	13	21	27	30	44	21	11	4	4		187
165.25																					183
163.25						1		5	6	10	22	25	32	34	21	15	10	1			241
161.25																					260
159.25						3	2	6	16	48	51	49	33	21	20	7	2	2			211
157.25					1	4	12	12	18	33	43	27	34	14	5	6	2				190
155.25				1	3	6	14	15	34	28	34	25	22	3	4	1					160
153.25		1	1	1	5	9	22	26	25	28	21	12	7	2							88
151.25			1		6	7	16	16	19	8	8	5		1		1					60
149.25		2	2		4	13	11	7	8	5	4	2	1	1							17
147.25					4	4	4	1	2	3											8
145.25	2	1		2		2		1													2
TOTALS	2	5	4	4	21	49	87	96	144	191	240	215	224	173	191	101	81	40	18	5	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-STATURE	162.10	6.00	2.676X	+	79.131	0.725
X-ACROMION-RADIALE L	31.01	1.63	0.196Y	-	0.766	1.12

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND RADIALE-STYLION LENGTH

STATURE	RADIALE-STYLION LENGTH																TOT ALS
	19	19	20	20	21	21	22	22	23	23	24	24	25	25	26	26	
	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	
183.25											1						1
181.25																	1
179.25											1	1		1	4		9
177.25												2	2	2	1	1	14
175.25										1		3	1	3	3	2	13
173.25											10	11	6	10	3	2	53
171.25										3	10	17	17	8	10	5	82
169.25					1					10	24	26	19	15	14	10	125
167.25						2	7	9	15	24	40	38	20	14	9	5	187
165.25						2	7	20	25	34	33	25	21	11	2	1	183
163.25					1	1	5	14	21	42	58	47	31	7	7	4	241
161.25					1	3	9	24	43	56	43	32	25	16	4		260
159.25																	211
157.25					1	5	1	17	28	48	34	43	15	14	4	1	190
155.25					3	1	12	19	23	41	35	29	17	7	2	1	160
153.25		1			2	7	13	25	37	28	15	9	6	2			88
151.25						8	8	15	20	17	9	7	2	1	1		60
149.25					3	6	12	13	11	7	4	3	1				17
147.25						2	2	6	1	2	2						8
145.25																	2
TOTALS	1	3	12	34	54	113	173	238	252	295	251	200	105	78	47	28	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-STATURE	162.10	6.00	2.922X	+	93.767	0.666
X-RADIALE-STYLION L	23.39	1.37	0.152Y	-	1.253	1.02

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND THUMB-TIP REACH

STATURE	THUMB-TIP REACH																										TOT ALS
	62 .75	63 .75	64 .75	65 .75	66 .75	67 .75	68 .75	69 .75	70 .75	71 .75	72 .75	73 .75	74 .75	75 .75	76 .75	77 .75	78 .75	79 .75	80 .75	81 .75	82 .75	83 .75	84 .75	85 .75	86 .75		
183.25																	1									1	
181.25																				1						1	
179.25															2	1	1		3						1	9	
177.25																2	2	2	2	1	3					14	
175.25																		1	2							13	
173.25									1	1	3	1		2		1	1	1	2	1		1	1		1	13	
171.25									3	1	6	5	6	5	3	9	6	3	7	4	1	1	2			53	
169.25								1	2	1	4	11	13	15	17	19	12	13	5	5	3	2	1		1	125	
167.25						1	2	2	2	10	12	11	25	20	29	19	14	24	6	8	1			1		187	
165.25								2	6	14	18	26	29	18	16	20	13	11	3	3	3	1				183	
163.25								7	10	18	32	29	34	31	35	17	11	5	5	2	1			1		241	
161.25				1				8	15	28	40	41	39	31	21	18	4	5		1						260	
159.25				3	3			11	25	24	26	24	25	24	18	9	8	3	2							211	
157.25		1	3	3	8	6	12	16	22	29	24	17	19	11	5	8	3	3								190	
155.25			2	3	8	17	14	18	25	21	16	11	8	5	6	2	2	1								160	
153.25	1			4	7	9	8	12	15	9	7	7		2	1	2		3								88	
151.25	1	4	1		4	7	10	7	5	5	6			2	1											60	
149.25				3	3	3	1		4																	17	
147.25	1			1	2		1		3																	8	
145.25					1			1																		2	
TOTALS	3	7	6	25	38	49	68	99	138	166	190	184	209	159	163	135	90	79	32	30	17	6	4	5	3	1905	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-STATURE	162.10	6.00	1.001X +	87.898	4.58
X-THUMB-TIP REACH	74.13	3.88	0.417Y +	6.534	2.96

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND THUMB-TIP REACH, EXTENDED

THUMB-TIP REACH, EXTENDED																	
STATURE	71	73	75	77	79	81	83	85	87	89	91	93	95	97	99	TOT	
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS	
	183.25											1				1	
	181.25															1	
	179.25						1	1	2	3		1				9	
	177.25						1	2	2	3	3	1	2			14	
	175.25						1	1	4	1	2	3	1			13	
	173.25						5	10	9	7	13	1	6	2		53	
	171.25					1	3	7	13	21	9	10	7	7	3	1	82
	169.25				2	4	5	17	23	26	17	18	7	2	4		125
167.25					9	13	19	45	40	24	19	11	4	3		187	
165.25			2	5	11	27	30	34	38	14	10	8	3	1		183	
163.25			3	9	16	37	46	59	28	19	16	6	2			241	
161.25			3	12	28	56	72	38	28	11	4	5				260	
159.25		1	7	23	32	36	52	26	21	10	3			2		211	
157.25		3	13	35	34	28	30	26	10	6	4	1				190	
155.25	2	9	10	25	35	40	18	9	7	3	1					160	
153.25		7	9	10	28	20	4	3	4	2	1					88	
151.25	1	5	15	9	14	7		1	1	1						60	
149.25	1	3	1	5	5		1	1								17	
147.25		2	3		3											8	
145.25		1		1												2	
TOTALS	4	32	66	136	220	272	310	292	241	130	106	53	27	15	1	1905	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-STATURE	162.10	6.00	0.753X +	98.977	4.75
X-THUMB-TIP, EXTENDED	83.83	4.88	0.497Y +	3.268	3.86

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND OVERHEAD REACH

OVERHEAD REACH																			
STATURE	175	178	181	184	187	190	193	196	199	202	205	208	211	214	217	220	223	226	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
183.25																		1	1
181.25														1					1
179.25												1		3	3	1	1		9
177.25											1	3	1	4	1	2	2		14
175.25												2	4	1	3	2	1		13
173.25										2	4	7	14	14	8	1	2	1	53
171.25									2	11	16	13	25	11	2	1			82
169.25								1	12	15	20	37	22	14	4				125
167.25							1	11	15	33	48	39	33	7					187
165.25						1	6	18	31	55	36	27	8	1					183
163.25				1	3	4	21	50	58	60	21	18	5						241
161.25					6	21	37	59	65	50	15	6	1						260
159.25			2	2	10	33	47	56	31	23	6	1							211
157.25			1	9	23	36	53	42	12	12	1	1							190
155.25			4	19	41	38	34	17	6	1									160
153.25		2	8	28	16	12	16	5	1										88
151.25	1	2	13	19	17	7	1												60
149.25	2	2	3	4	4	2													17
147.25	1	2	2	2	1														8
145.25			1	1															2
TOTALS	4	8	34	85	121	154	216	261	231	262	168	155	113	56	21	7	7	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-STATURE	162.10	6.00	0.598X	+	42.966	0.852
X-OVERHEAD REACH	199.23	8.56	1.214Y	+	2.432	4.48

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND NECK CIRCUMFERENCE

NECK CIRCUMFERENCE																											
STATURE	28	29	29	30	30	31	31	32	32	33	33	34	34	35	35	36	36	37	37	38	38	39	39	40	TOT		
	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	ALS		
183.25													1												1		
181.25														1											1		
179.25							1	1				1		3	1	1		1							9		
177.25										1		4	1	7	5	1	4	1		2					14		
175.25									1	2	1	3	1	2	1			2							13		
173.25							1	1		8	6	4	7	5	6	3	4	3		3					53		
171.25						1	4	4	1	8	7	11	4	14	3	9	7	1	3	3	2				82		
169.25						3	4	5	9	15	7	19	20	12	11	8	5	3	2						125		
167.25		1	1			2	4	14	13	20	19	24	16	27	16	10	5	8		4	2			1	187		
165.25			1			7	5	15	9	24	17	21	17	26	14	17	3	2		2	1	2			183		
163.25			1	3		6	8	13	22	38	23	36	25	24	16	11	1	4	3	2	1		4		241		
161.25			3	7	5	18	24	18	36	20	34	28	24	17	13	7	2	3	1						260		
159.25		1	3	2	15	11	23	17	33	21	30	16	17	7	11	1	3								211		
157.25		1	2	5	7	11	27	20	21	24	24	16	18	4	4	4	1	1							190		
155.25			4	7	10	13	18	25	20	17	15	9	11	4	3	1	2		1						160		
153.25	1		1	2	6	10	8	10	12	12	10	6	4	2	2	1						1			88		
151.25			1	1	2	4	9	16	9	1	6	3	5	2				1							60		
149.25		1	1		2	1		3	3			3	1					1				1			17		
147.25			1					3		1		2		1											8		
145.25								1		1															2		
TOTALS	1	0	4	19	27	66	95	165	165	250	177	242	175	194	105	93	43	35	14	18	8	8	0	1	1905		

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-STATURE	162.10	6.00	1.141X	+	123.595	0.319
X-NECK CIRCUMFERENCE	33.75	1.68	0.089Y	+	19.322	1.59

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND SHOULDER CIRCUMFERENCE

		SHOULDER CIRCUMFERENCE																		TOT
		87	89	91	93	95	97	99	101	103	105	107	109	111	113	115	117	119	121	ALS
STATURE		.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	
183.25																				1
181.25							1													1
179.25								1	2	2	1	1	2							9
177.25							2	2	2	4	1	1	1			1				14
175.25							2	1	2	2	3	2	1							13
173.25																				53
171.25				1	2	2	4	3	13	7	5	6	6	2	1	1				82
169.25				2	4	4	9	10	8	9	8	12	9	1	2	3	1			125
167.25				3	12	8	21	20	18	14	17	7	1	3	1					187
165.25				1	6	13	19	31	31	20	14	10	4	2	2	3				183
163.25				2	4	19	23	30	20	33	21	14	11	4	1			1		241
161.25		1		2	14	26	33	43	31	35	26	11	9	5	2	1		1	1	260
159.25				5	21	25	41	56	50	28	15	9	4	3	1	1				211
157.25				2	6	20	29	35	33	32	23	16	4	7	1	1	1			190
155.25				1	9	20	30	33	32	26	12	8	11	5	2		1			160
153.25				5	12	16	24	32	21	16	10	11	8	3	1			1		88
151.25		1		1	6	8	20	10	18	12	7	3	1			1				60
149.25		1		2	4	8	12	12	7	5	5	3	1							17
147.25				1	1	3	1	5	2	2		1			1					8
145.25				1				2	2	2			1							2
TOTALS		2	14	51	130	218	271	313	274	226	156	113	75	24	15	11	7	4	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-STATURE	162.10	6.00	0.390X + 122.942	5.66	0.334
X-SHOULDER CIRCUMFER	100.41	5.14	0.285Y + 54.213	4.84	

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND CHEST CIRCUMFERENCE AT SCYE

CHEST CIRCUMFERENCE AT SCYE																			
STATURE	71	73	75	77	79	81	83	85	87	89	91	93	95	97	99	101	103	TOT	
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS	
183.25																1		1	
181.25							1											1	
179.25						1	2	2	2	1		1						9	
177.25							3	3	2	1	2	1	1	1				14	
175.25						2	4	2	3	1		1						13	
173.25							7	6	10	12	6	2	3					53	
171.25				1	2	4	11	12	7	10	8	11	3	4	1	3	2	82	
169.25		1		2	6	17	18	23	22	10	11	4	1	2	2	1		125	
167.25				6	15	29	30	32	25	18	14	6	5	1	2	3	1	187	
165.25		2		6	16	25	32	31	21	25	16	3	4	1			1	183	
163.25		2	4	7	29	40	37	42	28	26	8	8	5	2	1	2		241	
161.25		1	6	16	27	50	51	41	25	22	10	2	7	1	1			260	
159.25		1	7	17	31	31	39	42	18	10	5	5	3		2			211	
157.25		4	7	16	34	32	34	27	10	12	8	2	3			1		190	
155.25		4	10	17	25	34	20	23	7	11	4	2		3				160	
153.25	1		3	11	13	19	19	12	6	2	1				1			88	
151.25			3	14	7	7	15	4	3	3	1	2	1					60	
149.25		1		2	2	4	6						1	1				17	
147.25		1				3	1	2	1									8	
145.25				1	1													2	
TOTALS	1	16	43	123	214	309	331	299	193	162	97	42	38	13	12	10	2	1905	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-STATURE	162.10	6.00	0.353X + 132.363	5.74	0.292
X-CHEST CIRC AT SCYE	84.25	4.96	0.241Y + 45.182	4.75	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND BUST CIRCUMFERENCE

BUST CIRCUMFERENCE

	75	77	79	81	83	85	87	89	91	93	95	97	99	101	103	105	107	109	111	113	TOT
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
STATURE	183.25																		1		1
181.25										1											1
179.25								2	1	3	1	1		1							9
177.25							2	3	2	2			1		2		1				14
175.25					1		1	4	4	2			1								13
173.25					2		1	7	11	8	5	7	7	2			1				53
171.25	1		1	2	1	4	12	12	5	8	7	3	10	2	2	4	1		2		82
169.25		1	1	6	16	15	14	24	14	12	7	6	2	4	3						125
167.25			2	3	10	17	31	30	27	22	14	7	8	5	3	3	2		1		187
165.25			2	4	10	16	25	36	24	23	18	13	5	3	1	2	1				183
163.25			1	5	9	14	29	38	38	34	24	12	13	10	4	3	3	1			241
161.25			1	5	8	27	37	46	41	25	24	21	10	9	3	1		2			260
159.25			6	6	25	37	32	36	28	14	9	4	4	5	2	2		1			211
157.25	1	3	6	9	26	23	35	30	28	8	4	7	6	2					1	1	190
155.25	1	1	4	19	21	26	26	16	18	12	6	6		2	1			1			160
153.25		1	6	2	10	17	18	8	14	5	2	3	1						1		88
151.25			1	4	13	13	7	7	6	1	3	2	3								60
149.25			1		2	4	5	1	1	1						2					17
147.25				1	1		2	1	1	1	1										8
145.25						2															2
TOTALS	2	8	40	69	175	245	305	285	252	168	117	83	67	30	19	21	9	4	5	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-STATURE	162.10	6.00	0.270X + 137.877	5.80	0.257
X-BUST CIRCUMFERENCE	89.73	5.70	0.244Y + 50.173	5.51	

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND CHEST CIRCUMFERENCE BELOW BUST

CHEST CIRCUMFERENCE BELOW BUST

	61	63	65	67	69	71	73	75	77	79	81	83	85	87	89	91	93	95	97	TOT
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
STATURE	183.25																			1
181.25								1												1
179.25							1	2	1	2	2			1						9
177.25							1	2	2	4	2			1		1				14
175.25							1	2	1	4	2	1	2							13
173.25					1	2	3	6	13	12	6	3	5	1	1					53
171.25				2	6	7	11	11	10	11	9	9	2	2	1	1				82
169.25				2	4	9	16	18	19	28	13	6	2	5	1	2				125
167.25			1	6	14	19	48	28	28	14	9	8	4	3	3	1	1			187
165.25			2	7	13	31	33	23	27	24	11	3	6	2	2	1				183
163.25			1	5	13	24	36	44	40	31	20	11	5	6	2	1	1			241
161.25			1	1	17	32	51	52	42	21	21	11	6	3	1			1		260
159.25			3	4	20	28	39	45	30	19	14	8	2	3	3	1				211
157.25	1		7	18	25	31	40	27	19	11	3		6	1					1	190
155.25		2	9	14	23	36	18	21	16	11	5	3	1			1				160
153.25			4	8	20	17	18	8	11	1							1			88
151.25		1	3	7	14	12	6	9	2	4	1	1								60
149.25		1		3	4	5		2				2								17
147.25			1	1	1	1	3			1										8
145.25				1		1														2
TOTALS	1	9	39	122	208	309	348	280	232	156	79	48	37	16	11	5	3	1	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-STATURE	162.10	6.00	0.355X + 135.718	5.75	0.288
X-CHEST C BELOW BUST	74.33	4.87	0.234Y + 36.394	4.66	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND WAIST CIRCUMFERENCE

STATURE	WAIST CIRCUMFERENCE																							TOT ALS
	53 .25	55 .25	57 .25	59 .25	61 .25	63 .25	65 .25	67 .25	69 .25	71 .25	73 .25	75 .25	77 .25	79 .25	81 .25	83 .25	85 .25	87 .25	89 .25	91 .25	93 .25	95 .25		
183.25														1									1	
181.25						1																	1	
179.25					2		1	2	2	1	1												9	
177.25					1		2		6		2			1			2						14	
175.25						2	2	2	5		1												13	
173.25				1	2	3	11	6	13	5	4	4	2	1		1							53	
171.25		1	2	5	7	11	10	13	9	5	4	3	4		3		1	3		1			82	
169.25			1	2	7	12	17	25	18	14	8	9	5	5				1					125	
167.25				4	12	15	35	34	30	17	18	7	5	2	2	3	2		1				187	
165.25				3	16	23	23	33	28	22	14	11	6	1	1	1							183	
163.25		1	2	11	20	29	37	35	34	25	13	14	7	6	5			1		1			241	
161.25			6	17	28	44	33	47	31	26	6	12	1	3	4								260	
159.25			3	12	30	32	34	33	28	16	11	6	1	2	1		2						211	
157.25		2	3	17	18	32	34	26	27	9	8	8	2	1	1	1	1						190	
155.25			6	16	24	34	25	14	17	6	4	8	3	2									160	
153.25	1		3	7	21	19	12	11	6	3	3	1									1		88	
151.25			2	10	19	9	4	6	3	2	3	1				1							60	
149.25			1	2	1	3	4	3	1				1										17	
147.25			1		3		2	1		1													8	
145.25					1	1																	2	
TOTALS	1	3	29	104	210	266	287	288	262	156	101	85	37	29	18	11	8	6	1	2	0	1	1905	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-STATURE	162.10	6.00	0.305X + 141.606	5.77	0.279
X-WAIST CIRCUMFERENCE	67.20	5.48	0.254Y + 26.029	5.26	

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND ABDOMINAL EXTENSION CIRCUMFERENCE

STATURE	ABDOMINAL EXTENSION CIRCUMFERENCE																							TOT
	65	68	70	73	75	78	80	83	85	88	90	93	95	98	100	103	105	108	110	113	115	118	ALS	
183.25	.50	.00	.50	.00										1									1	
181.25						1																	1	
179.25							2	1		3	3												9	
177.25							2	1			3	1											14	
175.25									3	3	4	2											13	
173.25				1	1	3	7	3	10	9	6	6	3	3		1							53	
171.25					6	2	5	9	13	8	16	4	5	1	3	3	2	3	1		1		82	
169.25		1	1	7	6	13	20	13	21	12	10	6	7	4	1	1	1		2				125	
167.25		1		6	13	16	28	30	27	17	21	8	7	6	3	1		2		1			187	
165.25				6	7	14	14	29	29	19	24	12	12	11	3	1			1			1	183	
163.25			1	3	6	20	29	37	32	33	31	18	9	6	6	4	3			2	1		241	
161.25				8	14	29	39	40	36	35	21	17	10	4	1	1		1	2				260	
159.25			2		1	12	7	18	25	34	36	29	20	12	9	2	1	3	1				211	
157.25				2	3	15	19	39	25	30	15	19	10	4	3	3	2		1				190	
155.25				5	7	9	24	23	27	15	19	9	11	7	1	2	1						160	
153.25	1			2	6	6	12	18	17	8	5	6	4	1		1				1			88	
151.25				4	6	9	9	7	7	4	4	3	2	2		2							60	
149.25					1	3	1	3	2	4			1		1		1						17	
147.25			1							2													8	
145.25					1		1																2	
TOTALS	1	3	17	54	99	173	245	282	268	232	192	130	77	49	31	24	8	8	6	4	2	1	1905	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-STATURE	162.10	6.00	0.202X + 144.803	5.82	0.245
X-ABDOMINAL EXT CIRC	85.64	7.28	0.297Y + 37.500	7.06	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL

HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL

	77	79	81	83	85	87	89	91	93	95	97	99	101	103	105	107	109	111	113	115	117	TOT
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
183.25															1							1
181.25									1													1
179.25								1	2	1	3	1										9
177.25								1	3	2	2	2	2				1	1				14
175.25								1	5	3	1	1	1				1					13
173.25						1	2	3	2	10	7	8	7	4								53
171.25						1	2	5	8	11	14	11	8	6	4	5	3		2	1	1	82
169.25						1	7	10	16	13	14	29	13	9	7	1	2	1	2			125
167.25						5	7	10	18	33	37	26	17	15	6	4	1	3	1	1		187
165.25			1	2		1	10	15	29	31	26	25	23	9	8	3		1			1	183
163.25					5	7	19	17	34	42	44	23	13	15	10	3	2	3	1	2	1	241
161.25			3		5	6	20	42	51	45	36	28	9	6	5	1		1	1	1		260
159.25					6	13	14	37	37	32	25	20	12	6	2	2	1	3	1			211
157.25		1	2	4	12	24	31	35	24	22	11	15	3	2	1	3						190
155.25		1	6	5	19	18	27	25	19	13	10	10	2	1	3	1						160
153.25	1		2	7	6	20	13	10	11	11	3	2					1					88
151.25			4	6	11	8	12	5	3	4	2	3	2									60
149.25		1		1		4	3	2	2	1			1	2								17
147.25			1					4	1		1											8
145.25				1		1																2
TOTALS	1	3	19	42	83	157	228	281	284	260	201	138	84	55	23	15	14	5	7	4	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-STATURE	162.10	6.00	0.381X + 126.428	5.61	0.355
X-HIP C-7" BLW WAIST	93.64	5.59	0.330Y + 40.142	5.22	

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND HIP CIRCUMFERENCE-NINE INCHES BELOW WAIST LEVEL

HIP CIRCUMFERENCE-NINE INCHES BELOW WAIST LEVEL

	77	79	81	83	85	87	89	91	93	95	97	99	101	103	105	107	109	111	113	115	117	119	TOT
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
183.25															1								1
181.25									1														1
179.25								1	2		4	1	1										9
177.25								2	1	1	2	1	5	1	1			1	1				14
175.25								1		4	2	2	1		1			2					13
173.25			1			1	1	2	7	7	12	5	5	5	4	1	2						53
171.25					1	2	9	10	10	9	12	5	11	5	2	1	2	2	1				82
169.25				1	2	12	8	11	9	17	30	13	10	4	4	1	1	2					125
167.25				2	3	3	11	14	19	22	33	21	17	19	13	4	1	2	2			1	187
165.25					1	3	11	17	28	33	16	33	15	12	5	6	1				2		183
163.25					2	2	10	18	28	27	37	34	28	21	10	9	4	2	2	2	1	2	241
161.25		1	2	2	6	14	29	32	48	40	40	18	11	7	2	3	3		1	1			260
159.25			1	2	6	17	19	31	34	31	24	23	7	6	3	3		3	1				211
157.25		1	1	2	1	8	13	28	31	28	26	17	15	9	4	1	2	2	1				190
155.25			4	7	12	22	19	18	18	21	13	13	7	2	1	1	2						160
153.25		1	1	5	6	12	8	17	14	8	8	3	2	2	1								88
151.25				3	5	7	7	10	6	6	5	2	4										60
149.25	1				1	2	3	3	1	2		1	1	2									17
147.25				1					2	2	1	1											8
145.25					1	1																	2
TOTALS	3	3	15	28	52	110	166	224	257	259	235	209	124	91	51	30	18	12	10	3	2	3	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-STATURE	162.10	6.00	0.359X + 127.901	5.60	0.360
X-HIP C-9" BLW WAIST	95.27	6.02	0.361Y + 36.753	5.61	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND UPPER THIGH CIRCUMFERENCE

STATURE	UPPER THIGH CIRCUMFERENCE															TOT
	43	45	47	49	51	53	55	57	59	61	63	65	67	69	71	ALS
183.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	1
181.25						1				1						1
179.25				1		2	3	2	1							9
177.25		1			1	2	2	4	1	1	2	1		1		14
175.25					2	1	2	4	2		1		1			13
173.25		1	1		5	7	8	8	13	6	2	2				53
171.25			1	3	4	9	18	15	13	10	4	1	2	1	1	82
169.25			1	7	13	15	15	26	28	10	7	1	1			125
167.25		2	2	12	13	21	34	40	25	22	7	7	2			187
165.25				2	3	18	28	43	33	29	16	8	1	1		183
163.25				6	12	24	43	45	39	39	14	8	5	2	3	241
161.25	1	2	7	8	39	61	60	41	20	12	4	3	1	1		260
159.25		1	4	19	25	45	46	34	21	9	3	3				211
157.25	2	2	6	11	38	38	37	23	16	9	4	1		1		190
155.25		4	11	20	23	27	28	21	14	9	1	2				160
153.25	1	1	3	13	11	22	17	10	6	1	3					88
151.25			3	10	12	12	10	5	7	1						60
149.25		1	1	1	1	4	5	2	2							17
147.25				2		2	2		1		1					8
145.25			1		1											2
TOTALS	4	15	49	122	230	338	375	307	240	121	55	27	11	7	4	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-STATURE	162.10	6.00	0.378X + 141.134	5.79	0.266
X-UPPER THIGH CIRCUM	55.48	4.22	0.187Y + 25.162	4.07	

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND KNEE CIRCUMFERENCE

STATURE	KNEE CIRCUMFERENCE															TOT
	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	ALS
183.25	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	1
181.25									1							1
179.25				1	2		1	3	1	1						9
177.25				1		2	3	1	3	2	1	1				14
175.25						3	4	1	1	1	2	1				13
173.25			1	1	5	8	10	7	6	9	3	3				53
171.25				4	4	9	18	18	12	7	5	3	1		1	82
169.25		1	2	3	13	20	20	29	20	10	2	5				125
167.25		1	3	12	15	27	37	38	27	10	10	5	1		1	187
165.25			3	16	27	28	45	23	20	10	7	1		2		183
163.25			5	7	16	34	41	45	31	26	19	7	5	3	2	241
161.25	1	4	17	44	44	44	51	29	9	9	5		2		1	260
159.25	1	3	7	28	43	49	33	24	12	5	1	2	1		2	211
157.25	1	5	18	23	43	29	33	22	12	1		3				190
155.25	1	6	20	33	29	34	16	8	9	3	1					160
153.25	1	6	13	13	21	16	5	5	6	1	1					88
151.25	3	6	9	8	12	11	5	3	1	1	1					60
149.25		1	1	4	5	3	2	1								17
147.25				1	4		2	1								8
145.25			2													2
TOTALS	8	39	103	208	301	324	330	244	166	90	46	29	8	4	3	2 1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-STATURE	162.10	6.00	1.024X + 124.931	5.54	0.386
X-KNEE CIRCUMFERENCE	36.30	2.27	0.146Y + 12.634	2.09	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND CALF CIRCUMFERENCE, RIGHT

CALF CIRCUMFERENCE, RIGHT

	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
STATURE	183.25									1										1
181.25										1										1
179.25					2	1		1	3	1	1									9
177.25						1	3	2		4	2	1	1							14
175.25						1	1	1	3	2	3	1	1							13
173.25				2		1	6	5	8	17	3	7	3	1						53
171.25				1	2	5	9	13	16	14	9	7	3	2				1		82
169.25		1			5	10	14	26	12	20	16	13	7		1					125
167.25	1				9	14	20	33	33	27	25	14	6	2	3					187
165.25				3	7	13	20	35	33	29	24	11	5		2	1				183
163.25			1	2	14	24	35	34	38	27	33	16	7	6	3	1				241
161.25		1		8	12	38	47	51	38	30	21	9	3	1			1			260
159.25			4	7	5	26	37	49	41	19	14	5	2	2						211
157.25		1	1	8	15	24	31	39	30	21	15	4			1					190
155.25			2	7	22	29	31	25	19	11	8	5	1							160
153.25		1	2	5	10	9	22	19	11	6	2			1						88
151.25			1	2	9	16	9	15	4	2	5	1								60
149.25				1	2	4	2	4	3		1									17
147.25						1		4	1	1	1									8
145.25							2													2
TOTALS	1	4	12	45	114	217	285	356	293	233	183	94	39	15	10	2	0	1	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-STATURE	162.10	6.00	0.790X + 135.130	5.74	0.296
X-CALF CIRCUM, RIGHT	34.14	2.25	0.111Y + 16.150	2.15	

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND VERTICAL TRUNK CIRCUMFERENCE

VERTICAL TRUNK CIRCUMFERENCE

	135	137	139	141	143	145	147	149	151	153	155	157	159	161	163	165	167	169	171	173	175	177	TOT
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
STATURE	183.25																						1
181.25												1	2		1	1		1	1				1
179.25												1	1		1	3	2	2			2	2	14
177.25											1	1	1		3	3	3			1			13
175.25										1	1	1		9	9	9	7	3	2	1			53
173.25							1	1	2	1	9	9	15	11	12	10	3	3	2	2	1	1	82
171.25						1	2	4	8	9	7	17	19	14	10	10	6	2	4	3	1		125
169.25				1		3	5	9	28	23	31	25	23	14	11	5	3	5	1				187
167.25			1			2	4	11	15	21	32	33	25	13	14	6	1	2	1			1	183
165.25					2	6	18	22	27	24	42	32	23	14	15	6	2	3	2	3			241
163.25																							260
161.25		1	1	3	10	12	14	30	46	34	27	27	23	14	10	3		2	2	1			211
159.25				5	5	10	28	28	33	29	29	18	13	3	6	3				1			160
157.25	1		2	2	8	16	21	41	31	32	16	8	3	4	1	2	1	1					88
155.25	1		3	10	16	16	28	20	19	21	6	8	7	3	1	1							60
153.25		1	3	3	10	18	18	13	5	6	6	3			1		1						17
151.25		1	2	5	12	13	11	4	1	3	3	1	1										8
149.25		1	4	2	1	2	3	2			1		1										2
147.25				1	1	2				2													
145.25						1			1														
TOTALS	2	4	15	32	65	99	152	183	197	213	208	200	166	114	108	64	25	19	19	14	4	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-STATURE	162.10	6.00	0.541X + 78.559	4.72	0.619
X-VERTICAL TRUNK CIR	154.43	6.87	0.708Y + 39.657	5.40	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND VERTICAL TRUNK CIRCUMFERENCE, SITTING

VERTICAL TRUNK CIRCUMFERENCE, SITTING

	133	135	137	139	141	143	145	147	149	151	153	155	157	159	161	163	165	167	169	171	TOT
STATURE	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
183.25																			1		1
181.25												1									1
179.25											1	1	2	2	1				1		9
177.25											1	3	4	2	1					1	14
175.25									1		1	3	2	1	2	2					13
173.25						1			1	2	6	11	10	8	8	4			1		53
171.25						1	1			1	5	15	13	18	12	6	5	3	1	1	82
169.25						3	2	5	10	10	17	23	17	13	9	8	4	2	2		125
167.25			1		1	2	2	11	23	25	36	27	25	16	6	5	4	2	1		187
165.25						1	5	8	14	29	34	33	24	17	12	3	1	1			183
163.25			1	2	4	12	25	29	35	48	32	19	16	7	9	2					241
161.25		2	2	5	13	27	26	37	46	29	35	16	9	7	2		2	1	1		260
159.25			2	4	10	26	34	36	34	26	23	10	2	3			1				211
157.25	2	1	3	5	16	34	31	35	28	22	6	3			2	2					190
155.25	1	2	11	19	22	22	28	13	16	16	6	2					2				160
153.25	2	4	3	13	22	14	9	4	10	4	1	2									88
151.25		1	12	12	6	14	7	1	2	4	1										60
149.25	2	1	4	3	4	1			1			1									17
147.25				4	1	1	1	1													8
145.25			1		1																2
TOTALS	7	11	40	67	101	163	174	186	237	225	213	157	121	87	50	31	16	7	10	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-STATURE	162.10	6.00	0.622X + 68.762	4.41	0.679
X-VERTICAL TRK C,SIT	150.07	6.56	0.741Y + 29.947	4.81	

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND BUTTOCK CIRCUMFERENCE, SITTING

BUTTOCK CIRCUMFERENCE, SITTING

	85	87	89	91	93	95	97	99	101	103	105	107	109	111	113	115	117	119	121	123	125	127	129	TOT
STATURE	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
183.25																								1
181.25									1															1
179.25							3	2		4														9
177.25						1	2	1	2	1	3	1			2		1							14
175.25						1	3	1	1	3														13
173.25				1	1	2	5	7	9	7	6	2	8	3	1	1								53
171.25				1	1	8	7	8	11	10	12	6	3	5	3	1	3	2	1					82
169.25					7	11	8	15	16	24	15	11	8	3	3		1	2		1				125
167.25		1	2	2	7	13	18	27	25	27	17	21	9	9	3	3	1	1			1			187
165.25				1	8	16	20	40	21	32	17	13	6	3	3	1					1		1	183
163.25			6	6	12	26	32	39	35	26	20	12	11	6	2	1	2	2	2	1				241
161.25		3	6	11	18	41	35	46	42	19	15	13	1	4		2	2				1			260
159.25	1	2	5	14	19	22	42	39	21	15	15	6	3	1	2	3	1	1						211
157.25		3	6	14	19	32	35	30	12	13	14	2	5	1	2	1	1							190
155.25	5	3	7	20	20	21	23	17	12	14	5	9	1	2										160
153.25		3	7	8	15	12	15	11	9	4	1	1	1					1						88
151.25	1	2	6	11	7	11	4	6	6	4	1	1												60
149.25	1	1			4	4	1	2	1			2			1									17
147.25		1	1					1	1															8
145.25				2																				2
TOTALS	8	19	46	91	139	223	249	295	224	202	142	102	62	38	21	14	12	9	3	4	1	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-STATURE	162.10	6.00	0.375X + 124.604	5.55	0.380
X-BUTTOCK CIRC, SIT	100.00	6.09	0.386Y + 37.425	5.63	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND SCYE CIRCUMFERENCE

SCYE CIRCUMFERENCE

STATURE	SCYE CIRCUMFERENCE																				TOT	
	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	ALS
183.25	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	1
181.25									1							1						1
179.25								1	1	2	2	1	2									9
177.25						1		2	1		3	3		2				1				14
175.25							1	2	3	2	3	1	1									13
173.25						1		4	7	12	12	6	7	3	1							53
171.25						1	5	11	10	10	17	10	6	8	2	1						82
169.25					1	1	8	15	20	24	26	15	8	6	1				1			125
167.25					3	2	12	27	29	35	33	22	7	11	4			1			1	187
165.25				2		6	18	24	23	45	30	17	13	1	2		1	1				183
163.25				1	1	10	34	32	42	53	23	20	11	7	4	3						241
161.25				1	7	16	38	40	60	41	28	14	6	4	2	3						260
159.25				3	3	17	29	44	37	33	25	9	5	2	3	1						211
157.25						5	20	38	35	31	29	14	10	4	2	2						190
155.25				7	8	21	20	38	27	18	10	3	5	2	1							160
153.25	1			2	4	14	11	27	11	8	7	2		1								88
151.25		1		3	1	15	12	7	8	7	3	3										60
149.25				1	2	1	2	7	1		1	1	1									17
147.25						1		1	2	3	1											8
145.25								1				1										2
TOTALS	1	0	1	20	36	126	229	319	315	320	238	137	77	49	23	8	1	3	1	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-STATURE	162.10	6.00	0.956X + 126.638	5.59	0.365
X-SCYE CIRCUMFERENCE	37.10	2.29	0.139Y + 14.565	2.13	

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND AXILLARY ARM CIRCUMFERENCE

AXILLARY ARM CIRCUMFERENCE

STATURE	AXILLARY ARM CIRCUMFERENCE																				TOT
	20 .75	21 .75	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	ALS	
183.25												1								1	
181.25							1													1	
179.25				1		2	1	2	1	2										9	
177.25				1	1		2	3	3	2			1		1					14	
175.25						4	3	3	2			1				1				13	
173.25	1		2	1	3	6	7	12	8	7	2	3	1							53	
171.25	1			3	5	12	14	12	9	8	9	2	3	2			1		1	82	
169.25				5	10	17	14	20	26	14	11	5	2							125	
167.25				3	9	10	28	25	41	26	20	8	7	6	3			1		187	
165.25				1	6	16	31	28	27	27	24	12	8	2		1				183	
163.25				1	4	11	27	23	45	40	29	14	10	5	1	3		1		241	
161.25				4	17	31	36	54	36	38	25	10	1	6	2					260	
159.25				1	5	14	23	30	35	36	33	16	7	7	3			1		211	
157.25				1	2	9	26	32	43	26	22	17	5	1	6					190	
155.25				1	5	15	28	19	22	27	20	10	7	3	3					160	
153.25	1	2			7	10	12	25	10	10	6	2	3							88	
151.25				5	4	10	9	7	13	4	5	1	1	1						60	
149.25				1	1	2	1	4	5		1	1			1					17	
147.25					1	1		1	2	2		1								8	
145.25							1	1												2	
TOTALS	3	7	31	105	203	263	332	315	260	184	90	53	37	11	4	2	4	0	1	1905	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-STATURE	162.10	6.00	0.421X + 150.552	5.92	0.164
X-AXILLARY ARM CIRC	27.44	2.34	0.064Y + 17.064	2.31	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND BICEPS CIRCUMFERENCE, RELAXED, RIGHT

BICEPS CIRCUMFERENCE, RELAXED, RIGHT

	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
183.25										1										1
181.25						1														1
179.25				1	1	1	3	1	2											9
177.25			2		1	2	2	3	1	2			1							14
175.25				1	4	3	3	1			1									13
173.25		1	1	4	6	7	11	11	5	3	1	2	1							53
171.25		1	2	5	13	8	12	12	14	6	5	2			1		1			82
169.25		1	2	8	21	21	18	23	13	8	4	4	1		1					125
167.25		1	7	12	27	20	42	27	22	10	9	7		1	2					187
165.25		1	2	12	26	34	31	39	18	11	4	3	2							183
163.25		3	9	20	31	31	44	32	33	14	9	8	3	2		1			1	241
161.25	1	2	14	22	40	61	43	36	18	11	5	4		2			1			260
159.25		3	10	19	34	41	40	29	18	7	4	5				1				211
157.25		2	7	24	34	34	32	25	13	12	4	1		1						190
155.25	1	2	14	20	26	26	27	19	11	5	7	1	1			1				160
153.25	2		4	10	13	26	11	9	4	5	3	1								88
151.25		2	2	13	8	12	8	8	1	3	1	1			1					60
149.25			1	2	3	3	4	2	1				1							17
147.25					1	1	1	3	1		1									8
145.25				1	1															2
TOTALS	4	19	77	174	290	332	332	280	175	98	58	40	9	7	4	3	2	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-STATURE	162.10	6.00	0.369X + 152.653	5.94	0.141
X-BICEPS C,RELAXED,R	25.61	2.29	0.054Y + 16.858	2.27	

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND BICEPS CIRCUMFERENCE, FLEXED, RIGHT

BICEPS CIRCUMFERENCE, FLEXED, RIGHT

	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
183.25										1										1
181.25						1														1
179.25				1	1		4	1	1	1										9
177.25			1	1	2		3	2	2	1	1	1								14
175.25				1	1	5	3	1	1		1									13
173.25			1	4	5	7	9	12	6	3	3	1	1	1						53
171.25		1	2	5	9	8	13	16	9	9	6	1	1		1		1			82
169.25		1		7	13	20	20	30	13	8	8	2	2		1					125
167.25		1	4	18	21	22	32	41	14	17	10	2	1	3		1				187
165.25		1	1	11	23	34	33	34	20	13	7	4	2							183
163.25		4	5	15	35	32	39	32	32	20	12	10	1	1		1	1		1	241
161.25		2	10	23	37	60	46	37	21	12	5	4		2			1			260
159.25	1	2	9	17	33	38	47	25	14	11	10	2	1			1				211
157.25		1	8	21	31	35	29	35	7	12	8		1	1	1					190
155.25	1	1	13	21	20	31	23	22	10	8	6	2	2							160
153.25	1	1	4	10	10	25	15	8	4	4	4	2								88
151.25	1	1	1	13	8	9	12	7	2	3	2			1						60
149.25			1	2	2	4	4	2		1		1								17
147.25							2	4		1										8
145.25					2															2
TOTALS	4	16	60	171	253	331	334	309	156	125	83	32	12	9	3	2	4	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-STATURE	162.10	6.00	0.422X + 150.796	5.92	0.163
X-BICEPS C,FLEXED, R	26.79	2.32	0.063Y + 16.582	2.28	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND ELBOW CIRCUMFERENCE, FLEXED

STATURE	ELBOW CIRCUMFERENCE, FLEXED															TOT ALS
	21 .75	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	
183.25								1								1
181.25						1										1
179.25							2	1	4	1						9
177.25						3	2	3	3	2	1					14
175.25				1	1	2	4	3	1	1						13
173.25				1	7	7	15	5	10	5	2	1				53
171.25				2	9	10	20	20	14	5	1	1				82
169.25				5	11	33	35	21	12	6	2					125
167.25		1	3	12	17	38	49	40	17	6	4					187
165.25			3	16	32	35	43	30	17	6	1					183
163.25			5	15	48	53	53	40	16	5	4		1		1	241
161.25		2	8	33	60	69	43	26	15	1	3					260
159.25		4	11	32	49	58	28	21	5	2	1					211
157.25	1	2	13	31	46	52	23	15	6	1						190
155.25		6	11	30	41	39	15	12	4	2						160
153.25	2	5	11	17	16	18	12	6	1							88
151.25	1	5	5	13	15	9	6	4		1	1					60
149.25		1	3	5	3	3	1	1								17
147.25			1	1	4	2										8
145.25				1		1										2
TOTALS	4	26	74	215	359	434	351	249	125	44	20	2	1	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-STATURE	162.10	6.00	1.385X +	124.741	5.47	0.411
X-ELBOW CIRC, FLEXED	26.98	1.78	0.122Y +	7.200	1.62	

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND FOREARM CIRCUMFERENCE, RELAXED

STATURE	FOREARM CIRCUMFERENCE, RELAXED																				TOT ALS		
	19	20	20	21	21	22	22	23	23	24	24	25	25	26	26	27	27	28	28	29		29	30
	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00		.50	.00
183.25														1								1	
181.25								1														1	
179.25						1			1	3	1	1	3	1								9	
177.25				1		1			3	1	1	3	1			1			1			14	
175.25									4	1	3	2	2		1							13	
173.25									2	10	4	8	7	4	1	3	2					53	
171.25			1	1	4	3	5	7	6	14	12	7	10	8	2				1	1		82	
169.25			1		1	7	8	16	21	13	20	21	10	4	2				1			125	
167.25		1		1	6	17	15	18	30	29	31	14	14	4	4	3						187	
165.25			1	2	5	16	15	19	32	30	33	11	11	1	4	2		1				183	
163.25			2	8	12	16	24	40	27	37	25	19	15	6	5	1	2				1	241	
161.25			3	5	20	21	34	48	38	36	22	14	10	6		1	1		1			260	
159.25			3	3	15	18	35	39	32	25	23	7	6	2	1					1		211	
157.25		3	2	5	13	20	30	33	36	15	14	8	7	2	1	1						190	
155.25		1	2	12	15	27	21	18	25	15	10	8	5	1								160	
153.25	1	1	3	5	7	15	17	7	15	9	4	2	1		1							88	
151.25		1	2	7	10	7	7	7	10	1	3		4		1							60	
149.25				1	4		2	1	3	2	2	1										17	
147.25							2		4	1	1											8	
145.25				1	1																	2	
TOTALS	1	7	20	52	111	176	224	263	292	238	214	123	98	38	24	11	4	2	3	1	2	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-STATURE	162.10	6.00	1.345X +	130.528	5.71	0.309
X-FOREARM C, RELAXED	23.48	1.38	0.071Y +	11.967	1.31	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND FOREARM CIRCUMFERENCE, FLEXED

FOREARM CIRCUMFERENCE, FLEXED

	20	21	22	23	24	25	26	27	28	29	30	31	32	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
183.25								1						1
181.25					1									1
179.25				1	2	3	2	1						9
177.25			1	1	4	3	3		1	1				14
175.25					3	7	2	1						13
173.25		1	2	6	8	17	11	5	2	1				53
171.25			7	8	15	20	15	12	3		2			82
169.25		1	2	21	26	39	29	6			1			125
167.25		4	11	24	44	46	42	13	3					187
165.25	1		10	34	42	61	23	8	3	1				183
163.25		4	20	44	59	57	32	18	3	2	1		1	241
161.25		5	23	65	83	41	34	6	2		1			260
159.25		5	27	52	59	40	19	4	3	2				211
157.25	2	5	24	46	64	24	18	6	1					190
155.25		12	25	44	37	27	11	2	2					160
153.25	2	4	17	28	21	10	4	2						88
151.25	1	6	8	19	16	5	2	2	1					60
149.25		1	3	6	4	1	2							17
147.25				1	5	2								8
145.25					2									2
TOTALS	6	48	180	402	493	403	249	87	24	7	5	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-STATURE	162.10	6.00	1.213X +	131.809	5.71
X-FOREARM C, FLEXED	24.98	1.52	0.078Y +	12.331	1.45

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND BIACROMIAL BREADTH

BIACROMIAL BREADTH

	31	31	32	32	33	33	34	34	35	35	36	36	37	37	38	38	39	39	40	40	41	41	TOT
	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	ALS
183.25																							1
181.25											1												1
179.25					1		1					1	1				4		1				9
177.25									2	1		1	1	3	1	3		1			1		14
175.25											2	2	1		1	3	2	1				1	13
173.25						3		5	1	4	4	8	6	6	5	1	4	4	1	1			53
171.25				1	3	3	3	2	5	5	9	8	11	6	8	7	1	3	4	2	1		82
169.25		1	1			6	11	3	8	10	20	23	21	7	4	8	2						125
167.25	1		1	1		4	2	5	22	24	19	24	22	21	14	15	9	3	1				187
165.25					1	3	7	7	18	26	26	29	20	17	10	10	4	3		1	1		183
163.25		1	2	1	2	10	10	11	27	28	43	38	32	13	13	4	3	1	1				241
161.25		1		4	2	13	11	24	31	43	39	25	26	20	10	3	5	2			1		260
159.25	1	1	1	7	3	5	31	23	27	22	31	26	11	11	7	2	2						211
157.25		3		2	6	15	17	26	26	23	30	24	4	8	4	1			1				190
155.25	1	3	3	5	13	11	17	17	28	21	16	11	8	2	2								160
153.25	1		1	1	7	8	15	12	13	10	10	4	4	1		1							88
151.25	1	1	2	4	4	7	9	11	7	4	4	4	2										60
149.25				1	2	2	1	5	1	2		3											17
147.25				1	1		3	1	1	1													8
145.25							1			1													2
TOTALS	5	11	10	28	45	84	134	160	212	223	244	228	172	129	82	60	38	20	9	5	4	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-STATURE	162.10	6.00	1.671X +	102.209	5.34
X-BIACROMIAL BREADTH	35.84	1.64	0.125Y +	15.580	1.46

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND BIDELOID BREADTH

STATURE	BIDELOID BREADTH																TOT ALS
	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	44 .75	45 .75	46 .75	47 .75	48 .75	49 .75	
183.25								1						1			1
181.25								1									1
179.25								2		1	3						9
177.25							2	2	2	3	1	1				1	14
175.25							3	3		1	4	2					13
173.25			2	1	2	1	3	8	12	10	4	8		1	1		53
171.25				3	5	2	11	8	16	12	9	6	6	3			82
169.25				2	5	7	21	20	20	22	12	10	4	2			125
167.25		2		1	3	18	25	36	36	26	17	12	5	5	1		187
165.25			1	2	6	20	29	32	29	27	16	14	5	1	1		183
163.25		2	2	4	13	30	40	38	43	30	18	14	3		2	2	241
161.25		1		2	9	15	32	57	56	40	22	12	5	2	1	1	260
159.25			2	11	17	27	43	47	24	21	10	3	4		2		211
157.25		1	3	7	18	29	41	35	22	14	13	4	1	1			190
155.25	1		6	9	22	30	21	28	19	11	8	4			1		160
153.25		1	3	5	11	12	19	14	12	7	1	2				1	88
151.25			5	5	3	13	15	7	9	1	1	1					60
149.25			3	1	1	3	2	4	1				2				17
147.25		1				1	1	4			1						8
145.25					1	1											2
TOTALS	1	8	29	60	122	229	334	344	287	208	130	86	36	16	10	5	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-STATURE	162.10	6.00	0.783X +	129.316	5.72	0.302
X-BIDELOID BREADTH	41.87	2.31	0.116Y +	23.870	2.21	

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND CHEST BREADTH

STATURE	CHEST BREADTH																TOT ALS
	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75			
183.25												1					1
181.25						1											1
179.25						1	3	2	1	1							9
177.25				2	2	2	4	1	1	2							14
175.25					3	1	1	3	3	1							13
173.25			1	3	6	8	10	13	7	3	3						53
171.25																	
169.25			1	1	4	12	13	19	10	10	7	4		1			82
167.25				1	13	20	30	23	14	12	7	5					125
165.25		2	2	18	26	42	38	28	15	8	1	5	1	1			187
163.25		2	3	15	29	40	44	26	15	7	1	1					183
161.25		1	9	24	36	63	52	19	20	12	3		2				241
159.25		4	8	35	61	57	44	23	14	8	6						260
157.25			4	16	21	51	46	40	18	6	7		1	1			211
155.25		1	2	11	27	49	38	27	24	5	5		1				190
153.25			3	12	30	38	30	27	11	4	3		1	1			160
151.25		1	6	18	21	16	16	3	5	1		1					88
149.25	2	3	8	6	17	11	5	4	3	1							60
147.25		1	3	4	3	3	1										17
145.25			1	1	2	2	1	1									8
TOTALS	3	24	83	222	378	403	355	200	121	75	23	11	6	1			1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-STATURE	162.10	6.00	0.873X +	137.664	5.77	0.278
X-CHEST BREADTH	27.99	1.91	0.089Y +	13.568	1.84	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND BUSTPOINT-TO-BUSTPOINT BREADTH

BUSTPOINT-TO-BUSTPOINT BREADTH

STATURE	13	13	14	14	15	15	16	16	17	17	18	18	19	19	20	20	21	21	22	22	23	23	24	24	TOT
	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	ALS
183.25																		1							1
181.25													1												1
179.25										1	2			2	3										9
177.25							1		1	2	1		2	1	1	2	1	1	1						14
175.25									1	1	1	4	1	2			3	1							13
173.25			1						3	3	9	6	7	7	8	4	1	2		1	1				53
171.25					1		1	2	8	9	7	11	12	6	3	9	5	4	3		1	1			82
169.25						3		8	9	12	8	23	13	13	16	7	6	2	2	1		1	1		125
167.25		1			2	1	3	8	14	15	20	28	23	23	18	8	10	7		2	2			1	187
165.25					1	2	3	3	15	9	31	31	22	22	19	10	4	4	5	2					183
163.25				1	1	3	5	9	23	26	32	26	32	32	17	8	12	9	2		3				241
161.25						5	9	14	19	32	42	27	33	28	15	13	9	3	2	5					260
159.25	1	2	1				4	9	11	21	27	25	40	25	14	14	10	8	1	1					211
157.25			1			4	7	4	15	23	28	20	27	24	14	8	9	1	3	2					190
155.25			1		1	7	6	11	19	30	18	19	17	12	5	7	5			1				1	160
153.25				1	2	6	2	9	12	7	10	9	9	8	4	4	1	1	1	1		1			88
151.25						1	5	4	6	7	11	9	5	5	1	2	3					1			60
149.25	1					1	1	1	1	4	2	1	1	2	1		1								17
147.25								1	1	1	1	3	1												8
145.25									1					1											2
TOTALS	1	1	6	4	12	40	49	96	176	214	240	264	229	192	133	93	70	39	19	13	8	3	1	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-STATURE	162.10	6.00	0.818X +	146.944	5.87
X-BUSTPT-BUSTPT BR	18.53	1.55	0.054Y +	9.778	1.51

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND WAIST BREADTH

WAIST BREADTH

STATURE	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
183.25																1
181.25					1											1
179.25				1	1	2	3	1		1						9
177.25						4	3	2		3		2				14
175.25						6	3	2		1						13
173.25				1	2	5	10	13	10	6	4	2				53
171.25					6	10	13	13	14	11	7	5			1	82
169.25				3	5	13	21	30	26	13	9	3	2			125
167.25				3	6	27	51	34	30	19	7	6	1	2	1	187
165.25		1	1	1	11	25	47	45	24	17	7	2	2	1		183
163.25	1		10	21	41	55	39	32	16	15	7	3	1			241
161.25		2	17	25	47	73	42	26	13	11	3	1				260
159.25			13	24	49	46	42	18	11	5	1	2				211
157.25			5	15	18	37	51	31	16	11	4	2				190
155.25			1	16	25	39	34	21	14	8	1	1				160
153.25		1		9	19	23	24	9	2						1	88
151.25			2	9	17	7	15	5	4			1				60
149.25					2	6	4	2	2		1					17
147.25			1	1		3	2	1								8
145.25				1	1											2
TOTALS	2	12	99	183	334	458	335	224	129	73	36	11	6	1	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-STATURE	162.10	6.00	1.020X +	137.493	5.67
X-WAIST BREADTH	24.13	1.94	0.106Y +	6.945	1.83

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND HIP BREADTH

STATURE	HIP BREADTH																TOT ALS
	28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	
183.25								1									1
181.25							1										1
179.25						3		3	3								9
177.25					1		2	3	2	2	1	2	1				14
175.25							3	4	2	1	1	1	1				13
173.25				3	4	4	10	10	8	9	2	1	2				53
171.25				3	2	11	15	20	10	8	5	4	4				82
169.25			1	2	12	13	27	20	22	15	6	5	1			1	125
167.25			3	3	11	33	28	34	28	17	14	12	3		1		187
165.25		1	2	7	12	16	40	41	29	12	16	2	2		3		183
163.25	1		4	8	24	41	48	52	22	18	9	6	4	2	1		241
161.25	2	2	4	18	32	48	56	47	32	8	5	3	3				260
159.25		1	5	15	32	43	49	23	19	17	4	1	2				211
157.25		1	3	20	44	35	37	26	10	5	7	2					190
155.25	1	4	8	20	35	22	24	23	11	7	1	3	1				160
153.25		2	8	8	20	18	16	8	5	2	1						88
151.25		2	7	11	6	12	10	7	4	1							60
149.25		1		2	5	2	3	1	2	1							17
147.25			1	1		2	1	2	1								8
145.25			1	1													2
TOTALS	4	14	47	122	240	303	370	325	210	123	72	42	24	3	4	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-STATURE	162.10	6.00	0.944X	+	129.093	5.63
X-HIP BREADTH	34.97	2.22	0.129Y	+	14.057	2.08

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND THIGH-TO-THIGH BREADTH, SITTING

THIGH-TO-THIGH BREADTH, SITTING

STATURE	THIGH-TO-THIGH BREADTH, SITTING																			TOT ALS
	28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	44 .75	45 .75	46 .75	
183.25														1						1
181.25											1									1
179.25						2	1	1	2	1							1			9
177.25							3		1	2	2	1	2	1	1			1		14
175.25						1		2	2	3	1	1	1	2						13
173.25				1		3	3	3	8	7	4	9	6	4	3	1	1			53
171.25			1			8	4	9	9	7	12	6	7	5	1	2				82
169.25			2		3	9	11	13	18	12	18	14	10	3	7	2	2		1	125
167.25			1	1	1	13	16	16	30	21	24	20	16	11	8	5	4			187
165.25				1	4	15	12	20	27	24	35	14	16	4	6	1	2		2	183
163.25			1	3	9	14	23	28	37	29	32	29	9	9	5	3	4	3	1	241
161.25	1			1	6	8	22	30	42	40	43	30	21	4	5	1	3	1	1	260
159.25		1	1	3	11	12	24	34	42	27	14	16	10	9	1	5		1		211
157.25		1	2	2	7	20	27	34	26	22	22	13	7	3	2	2				190
155.25		1	2	7	10	21	14	27	21	20	10	10	7	6	2	1	1			160
153.25			2	3	8	13	12	17	10	7	7	6	1		1			1		88
151.25			2	3	6	10	9	5	7	7	6	3	2							60
149.25			1		1	2	3	3	2	1	2		2							17
147.25						1	1	2	1				3							8
145.25					1	1														2
TOTALS	1	0	3	18	30	72	167	193	261	282	233	219	170	97	62	42	25	17	6	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-STATURE	162.10	6.00	0.503X	+	142.894	5.63
X-THIGH-THIGH BR,SIT	38.19	2.86	0.114Y	+	19.710	2.78

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND HUMERAL BREADTH, RIGHT

		HUMERAL BREADTH, RIGHT																											
		5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	7	7	7	7	7	7	TOT		
		.20	.30	.40	.50	.60	.70	.80	.90	.00	.10	.20	.30	.40	.50	.60	.70	.80	.90	.00	.10	.20	.30	.40	.50	ALS			
STATURE	183.25																				1						1		
	181.25																1										1		
	179.25									1						5	3										9		
	177.25								1				5		1	1	1		2	2				1			14		
	175.25										2	1				3	4	1	1								13		
	173.25									6	5	3	3		6	11	5	4	6	1	1		1	1			53		
	171.25				1	1			1	9	5	9	16	11	12	6	7	3									82		
	169.25						3	6	5	12	11	16	14	16	22	9	6	2	1	1							125		
	167.25			1			2	6	8	22	21	27	27	26	21	8	6	2	5	1							187		
	165.25				2	2	3	5	18	22	25	22	28	21	18	10	5	2									183		
	163.25				4	3	8	12	16	33	34	40	28	22	19	12	3	3	1		1				1		241		
	161.25	1	1	2	7	4	7	13	30	43	42	34	31	18	11	8	4	3	1								260		
	159.25			1	3	6	5	14	34	42	32	36	14	10	6	2		3				1					211		
	157.25			2	2	6	19	17	23	37	29	26	10	8	6	3			1	1							190		
	155.25	2	2		7	10	15	18	21	36	22	9	8	7	1	1				1							160		
	153.25				1	3	8	10	14	14	15	7	11	4	1												88		
	151.25		2	3	2	9	4	6	9	13	6	4	1	1													60		
	149.25			1	3	1	2	1	5	2	1	1															17		
	147.25					1		2		1	2		2														8		
	145.25						1	1																			2		
TOTALS		3	5	12	37	53	81	113	185	296	242	241	189	151	137	70	40	27	11	6	3	2	0	0	1	1905			

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-STATURE	162.10	6.00	9.514X +	103.748	5.25
X-HUMERAL BREADTH, R	6.13	0.31	0.025Y +	2.081	0.27

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND FEMORAL BREADTH, RIGHT

		FEMORAL BREADTH, RIGHT																			
		6	6	7	7	7	7	7	8	8	8	8	8	8	9	9	9	9	9	TOT	
		.75	.95	.15	.35	.55	.75	.95	.15	.35	.55	.75	.95	.15	.35	.55	.75	.95	ALS		
STATURE	183.25														1					1	
	181.25													1						1	
	179.25								2	1	2	1	2		2					14	
	177.25					1	1	1	1	3	2	2	1			2			1	9	
	175.25						1		2	4	1	2	2		2		1			13	
	173.25					1	3	5	4	11	13	6	5	3	2					53	
	171.25				2		15	8	13	15	8	14	3	2	1	1				92	
	169.25			1		8	11	24	18	24	17	8	9	4	1					125	
	167.25	2	1	1	3	5	18	26	33	37	32	17	5	4	3					187	
	165.25		2		5	14	21	28	33	35	22	12	9	1			1			183	
	163.25		2	4	6	10	25	36	42	44	28	27	11	4	2					241	
	161.25	2	4	1	14	23	50	49	50	24	24	12	5	1	1					260	
	159.25			1	6	6	20	29	35	44	34	23	10	1	2					211	
	157.25	1	3	2	7	20	42	41	27	25	9	9	4							190	
	155.25	1	1	4	11	16	29	44	25	16	8	4	1							160	
	153.25	1	2	1	3	13	20	16	15	11	3		2	1						88	
	151.25			6	4	3	13	16	7	9		1	1							60	
149.25		1		3	2	1	6	3				1							17		
147.25					1	2	2	2	1										8		
145.25		1				1													2		
TOTALS		7	18	26	65	138	280	339	320	295	191	125	60	25	13	2	0	1	1905		

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-STATURE	162.10	6.00	4.500X +	125.579	5.65
X-FEMORAL BREADTH, R	8.12	0.45	0.025Y +	4.064	0.42

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND CHEST DEPTH

STATURE	CHEST DEPTH																TOT
	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	TOT	
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS	
183.25								1		1						1	
181.25								1								1	
179.25				1		5	2	1								9	
177.25			1		2	3	1	3	2	1			1			14	
175.25		1		2	2	2	4	2								13	
173.25			2	6	9	8	13	7	5	2		1				53	
171.25			4	10	12	15	8	13	8	6	4	2				82	
169.25		1	7	12	21	23	29	14	11	3	2	2				125	
167.25		1	12	17	35	50	28	15	13	12	1	3				187	
165.25		3	6	21	37	45	31	21	13	5	1					183	
163.25	1		18	35	48	52	34	27	12	6	5	1	1	1		241	
161.25		4	15	53	66	49	37	19	9	5	2		1			260	
159.25		5	14	43	43	54	26	12	6	6	2					211	
157.25		6	13	35	46	44	23	11	6	2	2		1		1	190	
155.25	1	4	23	33	30	33	15	15	4	1	1					160	
153.25		4	11	18	16	20	11	5	1	1			1			88	
151.25		3	4	15	16	10	4	1	6	1						60	
149.25		2		5	4	2	2			1	1					17	
147.25				3	1	2	2									8	
145.25					1	1										2	
TOTALS	2	34	130	309	369	418	270	167	96	53	21	9	5	1	1	1905	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-STATURE	162.10	6.00	0.705X + 145.435	5.85	0.227
X-CHEST DEPTH	23.64	1.93	0.073Y + 11.809	1.88	

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND WAIST DEPTH

		WAIST DEPTH															TOT
		12	13	14	15	16	17	18	19	20	21	22	23	24	25	TOT	
		.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS	
STATURE	183.25						1	1								1	
	181.25															1	
	179.25				3	2	4									9	
	177.25				1	5	5		1		1	1				14	
	175.25			1		7	3	2								13	
	173.25		1	2	6	19	12	8	4		1					53	
	171.25		1	4	14	18	20	9	7	1	4		2	2		82	
	169.25			3	22	41	31	15	6	5	2					125	
	167.25		2	10	35	55	42	24	8	5	3	3				187	
	165.25		1	8	33	61	40	22	7	6	4			1		183	
	163.25		2	13	59	60	50	34	8	6	4	3	2			241	
	161.25		6	38	73	64	36	29	6	3	2	2	1			260	
	159.25		1	2	17	62	56	42	19	6	1	2		3		211	
	157.25		5	23	42	60	31	16	5	3	3		2			190	
	155.25		1	3	26	40	44	26	9	4	6		1			160	
	153.25		2	16	25	28	8	6	2						1	88	
	151.25		3	11	20	14	4	4		3	1					60	
149.25			2	6	5	2					1	1			17		
147.25			3	1	3	1									8		
145.25			1		1										2		
TOTALS		2	28	178	442	543	358	198	67	37	27	10	11	3	1	1905	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-STATURE	162.10	6.00	0.691X + 150.346	5.89	0.192
X-WAIST DEPTH	17.01	1.67	0.054Y + 8.261	1.64	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND ABDOMINAL EXTENSION DEPTH

	ABDOMINAL EXTENSION DEPTH																TOT ALS
	15 .75	16 .75	17 .75	18 .75	19 .75	20 .75	21 .75	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	30 .75	
STATURE																	
183.25							1										1
181.25					1												1
179.25				2	2		4	1									9
177.25			1	1		5	4		1		1	1					14
175.25				1	4	2	3	2	1								13
173.25			3	2	8	16	7	8	7	1			1				53
171.25			1	5	18	17	12	8	6	5	3	2	3	2			82
169.25			1	11	25	21	31	17	6	4	6	2	1				125
167.25		1	9	13	32	40	42	23	12	8	2	2		3			187
165.25		2	7	17	31	42	42	16	11	9	2	2			2		183
163.25		3	8	30	57	41	40	25	19	8	3	3	1	1	2		241
161.25	2	6	21	40	50	62	35	25	7	5	3		3	3	1		260
159.25	1	3	13	31	44	51	36	15	8	2	3	1	2		1		211
157.25		3	17	28	44	41	23	17	7	6		3		1			190
155.25	3	3	15	31	31	31	20	9	10	5	1	1					160
153.25		3	9	17	20	17	8	7	5	1						1	88
151.25		1	9	13	14	10	6	1	3	1	2						60
149.25			2	2	8	1	1	1				2					17
147.25			2	2	2	1	1										8
145.25				1	1												2
TOTALS	6	25	118	247	392	398	316	175	103	55	26	19	8	10	6	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-STATURE	162.10	6.00	0.589X	+	149.799	5.87
X-ABDOMINAL EXT DPTH	20.89	2.12	0.073Y	+	9.057	2.07
						0.208

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND BUTTOCK DEPTH

	BUTTOCK DEPTH																TOT ALS
	15 .75	16 .75	17 .75	18 .75	19 .75	20 .75	21 .75	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	30 .75	
STATURE																	
183.25										1							1
181.25					1												1
179.25					3	5		1									9
177.25				2	2	4	2	2	1	1							14
175.25					3	3	3			1							13
173.25			1	3	5	15	13	7	7	2							53
171.25				1	17	17	12	15	11	1	3	4	1				82
169.25				8	15	29	27	22	13	7	2	1				1	125
167.25		1	6	9	28	39	45	27	17	11	4						187
165.25			2	10	27	42	48	26	19	5	1	1	1	1			183
163.25		1	3	26	33	54	59	37	12	6	6	2	2				241
161.25			8	23	67	64	47	36	8	4	3						260
159.25		1	4	19	46	57	45	19	9	5	5		1				211
157.25		3	12	27	37	46	30	19	10	5		1					190
155.25		2	14	21	37	32	28	18	6	1	1						160
153.25	1		7	14	21	18	15	5	3	3		1					88
151.25		1	5	12	18	11	8	3		1	1						60
149.25			2	1	1	8		3		1	1						17
147.25			1		2	4			1								8
145.25						2											2
TOTALS	1	9	65	176	361	448	384	243	118	54	29	10	5	1	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-STATURE	162.10	6.00	0.798X	+	145.223	5.83
X-BUTTOCK DEPTH	21.15	1.79	0.071Y	+	9.644	1.74
						0.238

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND THIGH CLEARANCE

THIGH CLEARANCE

STATURE	THIGH CLEARANCE																	TOT ALS
	9 .00	9 .50	10 .00	10 .50	11 .00	11 .50	12 .00	12 .50	13 .00	13 .50	14 .00	14 .50	15 .00	15 .50	16 .00	16 .50	17 .00	
183.25													1					1
181.25					1													1
179.25									3	1	1	3	1					9
177.25							1	1	3	2	1	3		2			1	14
175.25						1			1	4	2	4	1					13
173.25					1	1	2	5	8	11	9	9	4	2	1			53
171.25				3		5	3	8	11	20	15	6	7	1	1	2		82
169.25				1	7	14	12	18	17	16	20	10	4	5		1		125
167.25			1	5	8	19	20	37	29	25	22	12	4	4	1			187
165.25			2	6	8	22	28	20	37	28	21	6	4			1		183
163.25			4	9	21	33	34	39	33	29	21	9	5	2	1	1		241
161.25		1	3	15	26	46	57	39	32	25	10	5		1				260
159.25		2	7	15	21	35	39	34	27	14	8	4	5					211
157.25	1	7	9	19	22	28	33	23	16	7			1	1				190
155.25		2	4	18	22	33	29	21	15	8	4	2	2					160
153.25	1	2	2	9	12	17	21	8	5	4	3	3	1					88
151.25		2	5	5	9	9	11	8	9	2								60
149.25		1	1	4	2	3	1	2	1	1	1							17
147.25			1			3		1	2			1						8
145.25			1			1												2
TOTALS	2	17	40	109	160	270	291	264	256	206	145	77	40	18	4	4	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-STATURE	162.10	6.00	2.068X	+	136.385	5.42
X-THIGH CLEARANCE	12.44	1.25	0.090Y	-	2.153	1.13

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND SHOULDER LENGTH

SHOULDER LENGTH

STATURE	SHOULDER LENGTH																	TOT ALS
	11 .50	12 .00	12 .50	13 .00	13 .50	14 .00	14 .50	15 .00	15 .50	16 .00	16 .50	17 .00	17 .50	18 .00	18 .50	19 .00		
183.25								1									1	
181.25								1									1	
179.25							1	3	1	2	1	1					9	
177.25				1		1	1	4		4		1				1	14	
175.25					1		1	1	1	2	3	3	1		1		13	
173.25				1	3	4	11	10	9	8	7						53	
171.25		1	2	3	2	12	9	15	13	9	8	3	4	1			82	
169.25			3	3	5	19	22	25	26	11	7	2	1	1			125	
167.25		1	1	4	6	26	43	34	38	21	7	5	1				187	
165.25			1	5	13	33	35	28	32	17	13	6					183	
163.25			3	9	26	42	44	45	38	19	9	5	1				241	
161.25			1	10	24	61	43	45	38	25	7	5	1				260	
159.25		2	5	16	25	42	51	35	20	12	2	1					211	
157.25	1	1	6	12	23	46	42	27	22	7	3						190	
155.25		3	7	21	23	27	39	16	14	4	5				1		160	
153.25		2	4	13	14	23	12	10	6	3		1					88	
151.25		2	3	10	12	13	10	9	1								60	
149.25		1		2	4	5	4			1							17	
147.25			1		4	1	2										8	
145.25				1		1											2	
TOTALS	1	13	38	110	186	356	370	309	260	146	72	31	8	4	0	1	1905	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-STATURE	162.10	6.00	2.149X	+	130.597	5.59
X-SHOULDER LENGTH	14.66	1.02	0.062Y	+	4.610	0.95

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND NECK-TO-BUSTPOINT LENGTH

STATURE	NECK-TO-BUSTPOINT LENGTH													TOT
	19	20	21	22	23	24	25	26	27	28	29	30	31	ALS
183.25	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	1
181.25									1					1
179.25				1	1	2	1	3	1					9
177.25				1	2	3	1		4	1		2		14
175.25				1	1	1	3	2	4	1				13
173.25			1	4	6	3	16	8	9	4	2			53
171.25			3	5	8	10	15	14	9	8	5	3	2	82
169.25		1	4	3	14	18	25	20	24	9	6	1		125
167.25				4	26	32	48	37	20	13	5	1	1	187
165.25		1	3	7	21	29	50	40	17	8	6	1		183
163.25		1	8	11	33	52	45	41	27	14	7	1	1	241
161.25		2	11	21	46	60	60	36	23	7	5	3		260
159.25		1	4	14	43	52	45	30	15	4	2	1		211
157.25		2	10	19	35	57	32	20	9	3	2		1	190
155.25	1	1	8	29	28	40	21	14	8	7	2	1		160
153.25		2	2	11	21	26	13	6	4	1	1	1		88
151.25		1		10	10	15	11	7	3	3				60
149.25			1	2	4	6	1	3						17
147.25					2	3	2	1						8
145.25				1					1					2
TOTALS	1	12	55	144	301	395	389	282	180	83	43	15	5	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-STATURE	162.10	6.00	0.841X + 140.662	5.79	0.265
X-NECK-BUSTPOINT L	25.49	1.89	0.083Y + 12.040	1.82	

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND STRAP LENGTH

		STRAP LENGTH														
STATURE		53	55	57	59	61	63	65	67	69	71	73	75	77	79	TOT
		.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
183.25													1			1
181.25										1						1
179.25						1	1		4	1	2					9
177.25						2	2		2	3	2	2	1			14
175.25						1	2		4	4	2					13
173.25					3	3	4	9	13	11	5	4	1			53
171.25					2	9	10	14	18	11	5	7	2	3	1	82
169.25				1	4	11	15	26	25	22	11	8	2			125
167.25					5	15	30	51	32	25	20	4	3	2		187
165.25			1	2	3	20	28	43	41	28	10	4	3			183
163.25				4	11	28	52	45	42	26	21	7	3	2		241
161.25			4	6	18	37	53	45	51	26	11	6	3			260
159.25				7	14	33	44	55	33	13	7	3	2			211
157.25			2	5	20	43	43	37	22	9	7	1		1		190
155.25		1	2	4	31	30	37	21	18	8	4	3		1		160
153.25			2	3	6	26	18	17	9	2	3	1		1		88
151.25		1		3	8	15	7	12	6	6	1	1				60
149.25					2	4	7	1	1		1	1				17
147.25						3	2	3								8
145.25						1				1						2
TOTALS		2	11	35	127	282	355	379	321	197	112	52	21	10	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-STATURE	162.10	6.00	0.495X + 129.819	5.68	0.323
X-STRAP LENGTH	65.22	3.92	0.211Y + 31.017	3.71	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND INTERSCYE CURVATURE

INTERSCYE CURVATURE

	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
183.25														1				1
181.25							1											1
179.25							2	1	4	1	1							9
177.25							1	2	3	2	1	2						14
175.25													1	1				13
173.25				1		4	5	12	3	12	5	6	3					53
171.25			1	4	5	6	11	12	8	12	6	6	7	3	1			82
169.25		1		3	10	3	16	18	25	17	13	12	4	3				125
167.25		1	4	9	10	17	25	28	21	22	19	14	10	3	2	1	1	187
165.25			4	7	10	10	26	30	27	30	21	11	5	1	1			183
163.25		1	1	5	17	25	36	41	39	26	26	14	4	4		1	1	241
161.25	1	1	1	9	18	32	43	45	38	29	21	14	4	3	1			260
159.25	1	1	3	8	21	26	34	37	27	24	11	9	7		2			211
157.25			4	8	19	24	38	24	27	27	10	6	1		1	1		190
155.25	1		4	11	15	14	31	25	22	18	7	8	2	2				160
153.25		1		3	7	12	18	18	19	2	3	3	1		1			88
151.25		2	3		6	17	6	9	6	8	3							60
149.25				2	2	3	4	3		1					1			17
147.25							2	1	1	4								8
145.25				1			1											2
TOTALS	3	8	27	71	140	196	302	311	272	236	149	104	50	21	10	3	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-STATURE	162.10	6.00	0.463X + 145.872	5.90	0.188
X-INTERSCYE	35.06	2.44	0.076Y + 22.737	2.40	

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND INTERSCYE CURVATURE, MAXIMUM

INTERSCYE CURVATURE, MAXIMUM

	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
183.25																	1								1
181.25																									1
179.25										1					1	3		1	1	1					9
177.25									1	1	1				3	2		3	1	1			1		14
175.25									1		2	3					1	1	1				1		13
173.25																									53
171.25				1		1		2	2	2	3	6	7	7	7	7	7	2	4	1		1	1		82
169.25					1	1	2	4	7	6	7	11	14	16	17	6	18	9	4	2					125
167.25					1	1	1	8	6	12	16	17	21	22	25	20	17	10	5	3	1		1		187
165.25			1	1	3	2	2	3	6	8	17	16	29	28	23	16	13	5	8	1	1				183
163.25		2		1	1	5	12	14	26	27	23	29	29	25	23	14	4	4	2	1					241
161.25		1	3	1	4	4	15	26	23	30	36	28	27	25	17	10	6	2	2						260
159.25		2		1	4	8	9	14	21	26	23	29	29	15	17	6	2	2	3						211
157.25			2	2	5	10	15	12	24	33	21	22	21	9	6	4	2	1	1						190
155.25				5	6	9	3	16	21	20	25	12	15	18	7			1			1	1			160
153.25				1	2	5	4	3	7	10	14	20	10	5	5	1		1							88
151.25	1	1			1	2	1	3	9	8	10	6	11	5	1		1								60
149.25				1			3	1	3	2	3	2				1		1							17
147.25								1	2		1	2	2												8
145.25			1					1																	2
TOTALS	1	1	7	8	18	31	49	80	126	172	212	213	232	217	183	133	100	53	38	17	5	4	4	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-STATURE	162.10	6.00	0.642X + 130.395	5.62	0.352
X-INTERSCYE, MAXIMUM	49.39	3.29	0.193Y + 18.104	3.08	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND BACK CURVATURE

BACK CURVATURE

	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
183.25																	1					1
181.25			1																			1
179.25				1			1		1	2	1	1	2									9
177.25							1	2	2	2	2	4		1								14
175.25					1			1	3	2	2	1	2			1						13
173.25		1	1	1	2	4	4	7	4	7	8	7	2	3	1	1						53
171.25		1	1	1	4	8	14	6	8	8	5	6	3	7	1	4	2	2		1		82
169.25			2	5	3	9	12	14	15	19	15	18	4	6			2	1				125
167.25	1		1	2	6	9	20	26	18	27	17	21	16	8	6		7					187
165.25			3	7	12	16	26	23	27	18	13	12	10	8	4	1	1	1	1			183
163.25			5	4	9	14	38	30	28	33	31	13	15	8	6	3	1		3			241
161.25			2	5	13	17	38	43	34	27	34	18	15	7	4	1						260
159.25			3	5	11	18	42	27	28	28	16	9	8	7	4	3	1		1			211
157.25	2	1	3	5	13	12	21	37	22	26	13	15	7	5	4	3	1					190
155.25		1		10	11	21	22	25	20	14	10	6	8	2	6	2	2					160
153.25		1	2	3	6	8	15	15	15	10	6	3	3			1						88
151.25		1	2	6	8	2	9	10	6	1	6	3	3	1	1		1					60
149.25			1		1	3	3	5	1				1			1		1				17
147.25					1		3		3		1			1								8
145.25			1			1	2		3													2
TOTALS	3	4	23	48	94	126	250	279	230	226	190	136	121	59	56	20	22	5	11	1	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-STATURE	162.10	6.00	0.464X +	142.548	5.83
X-BACK CURVATURE	42.15	3.05	0.120Y +	22.693	2.97

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND WAIST BACK

WAIST BACK

	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
183.25														1		1
181.25								1								1
179.25									3	1	2	1	2			9
177.25										3	4	4	2		1	14
175.25						1			1	2	6	1	1	1		13
173.25					6	2	5	10	15	4	3	6	2			53
171.25					3	5	11	13	21	17	7	5				82
169.25					7	9	28	26	21	21	9	4				125
167.25				1	7	7	26	56	35	31	12	9	1	1	1	187
165.25			1	5	5	15	30	44	23	36	15	4	4	1		183
163.25				5	15	21	48	57	46	20	20	4	5			241
161.25			2	10	24	36	46	56	50	22	9	4	1			260
159.25		2	3	8	31	43	43	46	23	7	3	2				211
157.25		2	5	15	30	41	38	31	19	5	3	1				190
155.25		3	3	15	29	37	43	14	7	6	2	1				160
153.25	2	1	4	14	23	14	10	13	4	3						88
151.25	1	2	5	8	14	11	12	4	3							60
149.25		2	2	3	4	5	1									17
147.25	1		1	2	1		1	2								8
145.25	1			1												2
TOTALS	5	12	26	87	183	247	314	368	263	193	118	50	31	6	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-STATURE	162.10	6.00	1.586X +	97.853	4.87
X-WAIST BACK	40.51	2.22	0.216Y +	5.497	1.80

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND ANTERIOR WAIST LENGTH

STATURE	ANTERIOR WAIST LENGTH																TOT ALS
	27 .75	28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75		
183.25														1			1
181.25								1									1
179.25							1	2	3		1		2				9
177.25						1	1	1	3	6	1	1					14
175.25								5	6	1			1				13
173.25			2	1	1	6	9	14	10	4	3	1		1	1		53
171.25				2	5	7	14	17	17	10	6	3	1				82
169.25				3	4	11	27	35	25	11	4	4		1			125
167.25		1	2	4	20	35	37	41	21	15	9	1	1				187
165.25		2		8	23	38	29	40	26	10	4	2	1				183
163.25			2	15	20	49	53	48	31	16	5	2					241
161.25		2	6	19	56	62	49	32	26	6	2						260
159.25		1	4	28	43	50	42	26	13	1	3						211
157.25		3	5	20	41	50	31	21	13	5	1						190
155.25		1	10	23	36	39	26	16	6	2	1						160
153.25		3	7	17	24	13	15	5	2	1		1					88
151.25	2	1	5	9	16	14	6	4	2		1						60
149.25		1	4	6	1	2	1	2									17
147.25			2		3	1	1		1								8
145.25				1	1												2
TOTALS	2	15	49	156	294	378	342	310	205	88	41	15	6	3	1		1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-STATURE	162.10	6.00	1.404X +	114.960	5.34	0.458
X-ANTERIOR WAIST LTH	33.58	1.96	0.149Y +	9.424	1.74	

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND SLEEVE INSEAM

SLEEVE INSEAM																			
	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
183.25												1							1
181.25																	1		1
179.25											2	3	1	1			1		9
177.25									1	2	1	3	1	3	3				14
175.25									1		3	2	2	3	1			1	13
173.25							1		6	15	8	10	10	2			1		53
171.25						1	1	4	11	17	26	7	11	2	1	1			82
169.25					1	1	7	11	28	25	17	19	12	3	1				125
167.25			2		2	2	9	24	39	39	38	14	13	5					187
165.25						7	15	39	45	32	24	16	2	2	1				183
163.25					7	15	35	55	56	39	21	11	1			1			241
161.25				1	10	23	47	72	56	31	11	5	3	1					260
159.25				6	26	39	39	53	23	13	8	4							211
157.25			3	8	24	36	47	42	17	9	3		1						190
155.25				6	14	36	29	30	30	9	5								160
153.25				4	13	21	24	10	12	2	2								88
151.25	1	4		5	12	14	13	6	4	1									60
149.25	1			3	1		8												17
147.25	1	3	3			1													8
145.25	1			1															2
TOTALS	4	7	26	56	145	199	247	346	295	230	162	96	57	22	7	2	3	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-STATURE	162.10	6.00	1.758X +	84.528	4.24	0.707
X-SLEEVE INSEAM	44.13	2.42	0.285Y -	2.072	1.71	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND SPINE-TO-SCYE LENGTH (SLEEVE LENGTH SEGMENT)

SPINE-TO-SCYE LENGTH (SLEEVE LENGTH SEGMENT)																								
STATURE	15	16	16	17	17	18	18	19	19	20	20	21	21	22	22	23	23	24	24	25	25	TOT		
	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	ALS		
183.25												1				1						1		
181.25																						1		
179.25										2			5	2								9		
177.25							1	1	1	1	3	2		2	1	1				1		14		
175.25									2	3		3	1			1				2		13		
173.25	1					2	2	3	2	2	7	8	7	6	6	1	5	1				53		
171.25				2			3	5	8	12	7	11	10	9	6	2	4		2	1		82		
169.25						3	4	10	12	10	16	22	18	15	5	8	2					125		
167.25					1	3	8	5	21	31	30	30	20	15	10	7	4	1			1	187		
165.25		1		2	2	3	8	17	18	27	31	20	27	9	5	7	2					183		
163.25			1	1	2	3	7	24	32	44	42	22	23	15	11	9	4	1		1		241		
161.25			1	2	5	9	21	21	47	38	27	40	24	17	5	3						260		
159.25		1		2	3	6	16	23	27	36	32	22	15	12	7	7		1		1		211		
157.25	1			1	2	3	11	15	25	28	37	21	16	14	15		1					190		
155.25			1	1	2	5	10	23	24	22	17	25	12	12	5		1					160		
153.25						3	5	10	14	20	13	15	4	4								88		
151.25		1				3	5	9	11	15	7	5	2	1		1						60		
149.25			1			1	1	2	3	5	1			1	1	1						17		
147.25							1	1			1		2	3								8		
145.25				1				1														2		
TOTALS	2	3	4	13	18	52	107	180	250	305	255	242	184	138	62	49	23	8	3	6	1	1905		

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-STATURE	162.10	6.00	1.146X +	138.764	5.80
X-SPINE-TO-SCYE LGTH	20.37	1.36	0.059Y +	10.802	1.31

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND SPINE-TO-ELBOW LENGTH (SLEEVE LENGTH SEGMENT)

STATURE	SPINE-TO-ELBOW LENGTH (SLEEVE LENGTH SEGMENT)																				TOT
	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	ALS	
183.25	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	1
181.25																1					1
179.25									1		2			3	3						9
177.25									1		3	3	3		3	1	2	1			14
175.25										1	1	1	5	1	1			1	1	1	13
173.25					1		1	1		9	8	5	13	11	2	2					53
171.25						2		1	10	8	8	11	21	14	3	3	1				82
169.25								6	14	19	29	27	16	7	3	3					125
167.25							4	16	15	41	26	43	28	8	4	1		1			187
165.25						2	10	16	24	38	44	30	13	4	1	1					183
163.25						2	15	39	39	57	47	25	12	3	1	1					241
161.25						10	25	45	58	62	44	13	1	1	1						260
159.25				2	3	14	33	43	45	36	19	10	5		1						211
157.25		1	1	2	12	16	36	42	38	29	8	4	1								190
155.25			1	6	9	25	26	37	34	15	4	3									160
153.25			2	3	9	16	20	21	11	5	1										88
151.25		1		1	4	6	27	8	7	5	1										60
149.25				1		4	6	4		2											17
147.25					3	4	1														8
145.25			1			1															2
TOTALS	1	1	6	18	47	125	183	274	297	321	244	175	118	52	21	14	3	3	2		1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-STATURE	162.10	6.00	1.695X +	71.731	4.41
X-SPINE-TO-ELBOW LTH	53.32	2.41	0.272Y +	9.225	1.77

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND SPINE-TO-WRIST LENGTH (SLEEVE LENGTH SEGMENT)

SPINE-TO-WRIST LENGTH (SLEEVE LENGTH SEGMENT)																										
STATURE	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	TOT	
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS	
183.25																								1	1	
181.25																						1			1	
179.25														2		1			1	2	2				9	
177.25															2	2	3	2		1	1				14	
175.25														1	1		2	3	2				2	1	13	
173.25										1	1	1		3	5	9	8	9	9	2	3	2			53	
171.25									1	1		2	8	10	6	12	11	12	9	8	1	1	2		82	
169.25													9	22	23	22	21	5	4	7	1	1			125	
167.25							1	1		1	6	12	25	27	35	26	24	17	9	1	1		1		187	
165.25									3	6	12	26	30	25	34	23	17	3	3		1				183	
163.25								1	2	21	25	29	48	44	33	22	8	5	2			1			241	
161.25							1	3	14	27	40	44	53	39	26	9	2	1			1				260	
159.25							3	14	18	28	38	44	35	14	10	4									211	
157.25						7	8	11	24	37	28	28	28	14		3	1								190	
155.25		1																							160	
153.25				1	2	4	15	24	19	31	31	19	9	3	1	1									88	
151.25	1			1	3	10	13	12	8	3	6	2	1			1									60	
149.25					2	2	3	6		2	1														17	
147.25						2	6																		8	
145.25			1			1																			2	
TOTALS	1	0	2	2	10	33	58	86	109	174	202	219	246	206	176	135	97	58	40	22	12	7	7	3	1905	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-STATURE	162.10	6.00	1.371X	+	52.994	0.758
X-SPINE-TO-WRIST LTH	79.58	3.32	0.419Y	+	11.663	2.17

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND HAND LENGTH

STATURE	HAND LENGTH															TOT
	15 .50	16 .00	16 .50	17 .00	17 .50	18 .00	18 .50	19 .00	19 .50	20 .00	20 .50	21 .00	21 .50	22 .00	ALS	
183.25											1				1	
181.25															1	
179.25								2	2	2	2	1			9	
177.25								4	3	3	4				14	
175.25						1	1	5	1	1	3			1	13	
173.25						3	5	10	11	11	7	4	2		53	
171.25				1		6	22	22	13	12	6				82	
169.25					2	12	25	37	19	18	8	4			125	
167.25				1	9	33	39	42	28	18	14	2	1		187	
165.25			1	7	16	43	49	28	28	9	2				183	
163.25			2	8	32	49	68	48	18	8	7	1			241	
161.25			3	13	44	70	67	36	18	4	5				260	
159.25	1	2	6	21	44	56	40	26	10	4	1				211	
157.25		1	7	23	45	55	28	23	5	2		1			190	
155.25			11	28	50	33	29	16		1					160	
153.25			12	16	24	19	11	4		1					88	
151.25	1	2	11	13	15	11	6	1							60	
149.25		1	4	5	3	2	2								17	
147.25	1		3	1	1	2									8	
145.25			2												2	
TOTALS	3	8	62	137	285	395	383	304	157	94	60	13	3	1	1905	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-STATURE	162.10	6.00	3.764X	+	92.909	0.601
X-HAND LENGTH	18.38	0.96	0.096Y	+	2.821	0.77

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND FOOT LENGTH

STATURE	FOOT LENGTH																TOT ALS
	21 .00	21 .50	22 .00	22 .50	23 .00	23 .50	24 .00	24 .50	25 .00	25 .50	26 .00	26 .50	27 .00	27 .50			
183.25										1						1	
181.25											1					1	
179.25								1	1	1	3			1	1	9	
177.25										1	6	2				14	
175.25								1	2	3	5	1				13	
173.25								3	4	11	14	11			1	53	
171.25						2		7	19	16	21	9	6	2		82	
169.25					1	5	19	17	33	23	16	6	6	4	1	125	
167.25				1	2	11	25	49	44	35	9	6	6	2	3	187	
165.25				2	6	15	26	40	33	35	24	5	3			183	
163.25			2	6	17	40	58	56	33	16	10					241	
161.25			4	13	27	64	59	49	28	9	7					260	
159.25	1	1	5	13	47	56	40	33	11	4						211	
157.25	1	5	16	16	39	46	33	24	7	2	1					190	
155.25	1	3	12	39	45	34	15	9	2							160	
153.25		2	19	16	22	13	8	7	1							88	
151.25	3	7	9	16	12	8	2	3								60	
149.25	1	2	5	3	4	1		1								17	
147.25	1	1		4	1	1										8	
145.25			2													2	
TOTALS	8	21	74	129	232	307	311	307	226	163	73	32	15	7		1905	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-STATURE	162.10	6.00	3.682X +	73.483	4.34	0.692
X-FOOT LENGTH	24.07	1.13	0.130Y +	2.995	0.81	

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND HEAD CIRCUMFERENCE

STATURE	HEAD CIRCUMFERENCE																								TOT ALS
	50	50	51	51	52	52	53	53	54	54	55	55	56	56	57	57	58	58	59	59	60	60	61	61	
	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	
183.25											1														1
181.25												1													1
179.25												2					1								9
177.25									1	2	2				2	1	2			2					14
175.25									1	1	1				2		1								13
173.25						1	1	3	2	6	5	5	7	3	8	5	3	2	2		1				53
171.25						5	2	6	7	16	7	11	10	5	5	2	1	2	1	1			1		82
169.25		2		2	1	5	8	9	13	21	7	14	9	13	5	11	2	1	1	1					125
167.25		1		1	4	7	8	24	38	22	22	18	14	14	3	7	3						1		187
165.25		3		1	6	13	5	20	27	26	20	29	11	8	12	1			1						183
163.25		1		7	4	16	15	30	33	42	21	28	17	14	4	3	3		2	1					241
161.25	1	2	4	3	9	16	23	25	45	36	23	26	19	16	5	5	1					1			260
159.25		3	9	13	18	20	36	14	30	23	17	12	6	5	3	2									211
157.25		2	3	13	13	15	17	25	20	26	12	19	12	7	2	2	2								190
155.25		1	4	3	10	13	15	12	24	16	5	14	8	4	3	3	1								160
153.25		1	4	7	11	10	10	14	7	9	4	8	1	1	1										88
151.25		2	3	6	1	7	7	8	5	11	6	1		2			1								60
149.25			3	1	5	1	2	2	2			1													17
147.25			1	1	1				1			1	1	1				1							8
145.25									1	1															2
TOTALS	1	1	18	20	63	79	134	133	226	247	267	157	204	118	103	51	45	19	8	5	3	0	2	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-STATURE	162.10	6.00	1.222X +	95.058	5.67	0.331
X-HEAD CIRCUMFERENCE	54.87	1.62	0.089Y +	40.438	1.53	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND ABDOMINAL EXTENSION HEIGHT, OVER FOUNDATION GARMENT

ABDOMINAL EXTENSION HEIGHT, OVER FOUNDATION GARMENT

	79	81	83	85	87	89	91	93	95	97	99	101	103	105	107	TOT
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
183.25															1	1
181.25															1	1
179.25															1	1
177.25															1	4
175.25															1	8
173.25															1	8
171.25															1	40
169.25															1	59
167.25															1	98
165.25															1	144
163.25															1	147
161.25															1	207
159.25															1	207
157.25															1	176
155.25															1	156
153.25															1	124
151.25															1	65
149.25															1	46
147.25															1	15
145.25															1	5
TOTALS	2	5	25	63	116	205	268	302	193	158	109	41	18	4	4	1513

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-STATURE	161.99	5.82	1.174X + 52.999	2.86	0.871
X-ABDOM EXT HGT, OFG	92.84	4.31	0.646Y - 11.808	2.12	

A BIVARIATE FREQUENCY TABLE FOR
STATURE AND WEIGHT AS REPORTED BY SUBJECTS

WEIGHT AS REPORTED BY SUBJECTS

	84	89	94	99	104	109	114	119	124	129	134	139	144	149	154	159	164	169	174	179	184	189	194	TOT
	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	ALS
183.25																								1
181.25																								1
179.25																								9
177.25																								14
175.25																								13
173.25																								53
171.25																								82
169.25																								125
167.25																								166
165.25																								183
163.25																								240
161.25																								260
159.25																								211
157.25																								190
155.25																								160
153.25																								88
151.25																								60
149.25																								17
147.25																								8
145.25																								2
TOTALS	1	5	22	60	112	146	243	258	232	230	186	137	109	61	34	26	11	13	3	6	3	2	3	1903

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-STATURE	162.10	6.01	0.210X + 135.766	5.00	0.554
X-WEIGHT, ESTIMATED	125.40	15.83	1.459Y - 111.101	13.18	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
CERVICALE HEIGHT AND ACROMIAL HEIGHT

ACROMIAL HEIGHT

	115	117	119	121	123	125	127	129	131	133	135	137	139	141	143	145	147	149	151	TOT
CERVICALE HEIGHT	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
157.25																2				2
155.25																1			1	6
153.25															1	3	7			15
151.25														2	2	8				17
149.25													18	20	17					55
147.25										1	1	24	51	35	9					121
145.25										1	22	67	48	7						145
143.25										30	100	56	10							197
141.25									4	43	85	80	12	1						225
139.25									34	135	92	13								274
137.25							2	24	134	78	16	2								256
135.25							21	91	79	20										211
133.25					1	20	77	66	26	1										191
131.25					12	38	42	11												104
129.25					7	24	23	2	1											57
127.25					5	12	3													20
125.25					4	1														6
123.25																				2
121.25																				1
TOTALS	1	3	16	50	84	144	193	278	278	225	218	159	130	65	37	14	8	1	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-CERVICALE HEIGHT	139.20	5.52	0.972X + 11.028	1.45	0.965
X-ACROMIAL HEIGHT	131.86	5.48	0.958Y - 1.489	1.44	

A BIVARIATE FREQUENCY TABLE FOR
CERVICALE HEIGHT AND SUPRASTERNAL HEIGHT

SUPRASTERNAL HEIGHT

	117	119	121	123	125	127	129	131	133	135	137	139	141	143	145	147	149	151	TOT
CERVICAL HEIGHT	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
157.25																2			2
155.25															1			1	6
153.25														2	9	4			15
151.25														4	9	4			17
149.25													10	37	8				55
147.25												23	73	21	4				121
145.25									1	25		74	43	2					145
143.25									1	30	102	59	5						197
141.25									27	104	84	10							225
139.25									25	134	100	15							274
137.25						2	16	118	111	8	1								256
135.25						1	15	83	95	16	1								211
133.25						1	8	71	95	16									191
131.25						5	29	62	8										104
129.25						3	13	29	7										57
127.25						7	10	3											20
125.25						3	3												6
123.25																			2
121.25																			1
TOTALS	3	13	37	70	157	202	254	249	244	227	166	131	64	23	14	10	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-CERVICAL HEIGHT	139.20	5.52	1.012X + 5.610	1.29	0.972
X-SUPRASTERNAL HEIGHT	132.00	5.30	0.934Y + 1.993	1.24	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
CERVICALE HEIGHT AND BUSTPOINT HEIGHT

BUSTPOINT HEIGHT

	101	103	105	107	109	111	113	115	117	119	121	123	125	127	129	131	133	135	137	TOT
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
157.25																	1		1	2
155.25																	2	3		6
153.25																	4	7	1	15
151.25																	8	3		17
149.25																	11	4		55
147.25											3	5	22	48	28	14	1			121
145.25											11	27	50	41	12	4				145
143.25											40	69	66	15	1					197
141.25											1	10	30	81	78	19	5	1		225
139.25											4	36	98	97	31	8				274
137.25											1	30	86	86	41	10	2			256
135.25																				211
133.25																				191
131.25																				184
129.25																				57
127.25																				20
125.25																				6
123.25																				2
121.25																				1
TOTALS	1	2	6	31	66	107	209	273	275	283	223	173	124	63	41	16	6	5	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-CERVICALE HEIGHT	139.20	5.52	0.981X + 23.125	2.07	0.927
X-BUSTPCINT HEIGHT	118.32	5.21	0.876Y - 3.617	1.95	

A BIVARIATE FREQUENCY TABLE FOR
CERVICALE HEIGHT AND WAIST HEIGHT

WAIST HEIGHT

	87	89	91	93	95	97	99	101	103	105	107	109	111	113	115	TOT
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
157.25																2
155.25																6
153.25																15
151.25																17
149.25																55
147.25																121
145.25																145
143.25																197
141.25																225
139.25																274
137.25																256
135.25																211
133.25																191
131.25																104
129.25																57
127.25																20
125.25																6
123.25																2
121.25																1
TOTALS	3	13	35	122	203	273	320	297	300	153	113	42	21	6	4	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-CERVICALE HEIGHT	139.20	5.52	1.137X + 25.179	2.07	0.927
X-WAIST HEIGHT	100.28	4.50	0.755Y - 4.814	1.69	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
CERVICAL HEIGHT AND ABDOMINAL EXTENSION HEIGHT

CERVICAL HEIGHT	ABDOMINAL EXTENSION HEIGHT																TOT ALS
	79 .25	81 .25	83 .25	85 .25	87 .25	89 .25	91 .25	93 .25	95 .25	97 .25	99 .25	101 .25	103 .25	105 .25	107 .25		
157.25														1	1		2
155.25														3	2		6
153.25											1	3	3	8			15
151.25										1	3	7	5	1			17
149.25										7	16	19	11	2			55
147.25								1	9	37	45	22	7				121
145.25							1	11	27	55	40	10	1				145
143.25							5	26	69	65	28	3	1				197
141.25						2	24	72	86	36	5						225
139.25						11	78	113	58	13	1						274
137.25					7	45	103	79	17	5							256
135.25			3	6	21	67	83	29	5								211
133.25			5	15	61	73	35	4									191
131.25			5	22	46	28	2	1									104
129.25	1		9	18	25	4											57
127.25		1	8	6	5												20
125.25	1		2	2	1												6
123.25		2															2
121.25	1																1
TOTALS	3	3	27	69	166	230	331	336	271	219	139	65	28	15	3		1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-CERVICAL HEIGHT	139.20	5.52	1.136X	+	33.375	2.28
X-ABDOMINAL EXT HGT	93.15	4.42	0.730Y	-	8.461	1.83

A BIVARIATE FREQUENCY TABLE FOR
CERVICAL HEIGHT AND TROCHANTERIC HEIGHT

CERVICAL HEIGHT	TROCHANTERIC HEIGHT																TOT ALS
	69 .25	71 .25	73 .25	75 .25	77 .25	79 .25	81 .25	83 .25	85 .25	87 .25	89 .25	91 .25	93 .25	95 .25	97 .25		
157.25														1	1		2
155.25														1	3	1	6
153.25										2	1	4	6	2			15
151.25										2	7	5	3				17
149.25									1	18	20	10	4	1	1		55
147.25								3	20	43	35	14	5	1			121
145.25							5	20	42	51	21	5	1				145
143.25						4	12	44	70	53	13	1					197
141.25					1	7	39	83	64	26	5						225
139.25				1	2	31	76	92	55	14	2	1					274
137.25				2	12	67	86	65	20	4							256
135.25				3	40	73	60	26	8	1							211
133.25			4	17	57	65	38	9	1								191
131.25			11	25	35	27	4	2									104
129.25	1	2	7	18	24	5											57
127.25		3	5	7	4	1											20
125.25			4	1		1											6
123.25		1	1														2
121.25	1																1
TOTALS	2	6	32	74	175	281	320	344	281	214	105	40	21	8	2		1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-CERVICAL HEIGHT	139.20	5.52	1.120X	+	46.603	2.76
X-TROCHANTERIC HGT	82.67	4.27	0.670Y	-	10.589	2.14

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
CERVICAL HEIGHT AND BUTTOCK HEIGHT

		BUTTOCK HEIGHT																	
CERVICAL HEIGHT		65	67	69	71	73	75	77	79	81	83	85	87	89	91	93	95	97	TOT
		.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
	157.25														1		1		2
	155.25															2	3		6
	153.25												1	5	3	4	1	1	15
	151.25												1	4	6	5	1		17
	149.25											6	13	19	15	2			55
	147.25											11	28	45	25	11		1	121
	145.25									6	23	49	51	11		4	1		145
	143.25								3	15	54	84	33	8					197
141.25							3	14	43	73	66	23	2	1				225	
139.25							12	34	83	95	41	6	3					274	
137.25						1	21	75	95	50	11	3						256	
135.25					5	6	38	87	51	22	2							211	
133.25					8	30	61	56	32	4								191	
131.25					4	26	50	19	5									104	
129.25				1	11	26	14	5										57	
127.25		1	1	1	4	8	3	1	1									20	
125.25			1	1	1	2	1											6	
123.25					2													2	
121.25	1																	1	
TOTALS	1	1	2	5	33	99	203	294	331	332	288	179	83	40	10	5	2	1905	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-CERVICAL HEIGHT	139.20	5.52	1.148X	+	44.816	2.76
X-BUTTOCK HEIGHT	82.21	4.16	0.653Y	-	8.682	2.08

A BIVARIATE FREQUENCY TABLE FOR
CERVICAL HEIGHT AND GLUTEAL FURROW HEIGHT

GLUTEAL FURROW HEIGHT																	
CERVICAL HEIGHT	59	61	63	65	67	69	71	73	75	77	79	81	83	85	87	TOT	
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS.	
	157.25													2		2	
	155.25										1	1		3	1	6	
	153.25								1	1	3	4	4	3		15	
	151.25							1	1		3	1	1			17	
	149.25								4	15	18	16	2			55	
	147.25							11	22	44	32	8	4			121	
	145.25						1	3	24	38	47	31	1			145	
	143.25					2	3	23	52	60	42	12	3			197	
141.25					3	6	41	71	74	26	3	1			225		
139.25					4	30	69	102	51	16	2				274		
137.25				2	16	53	97	61	22	5					256		
135.25				3	28	74	66	35	5						211		
133.25			3	14	42	78	39	14	1						191		
131.25			4	16	33	36	14	1							104		
129.25			5	15	22	12	3								57		
127.25	1	1	1	7	7	3									20		
125.25	1	1		1	2		1								6		
123.25		2													2		
121.25	1														1		
TOTALS	3	4	13	58	159	296	356	372	279	198	112	35	11	8	1	1905	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-CERVICAL HEIGHT	139.20	5.52	1.169X	+	54.208	3.00
X-GLUTEAL FURROW HGT	72.70	3.96	0.602Y	-	11.095	2.16

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
CERVICALE HEIGHT AND TIBIALE HEIGHT

CERVICALE HEIGHT	TIBIALE HEIGHT																	TOT
	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	ALS
157.25	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	2
155.25														1		1	2	6
153.25												1	1	3	6	4		15
151.25										1	4	5	3	1	2	1		17
149.25										4	9	10	13	11	4	2	2	55
147.25									5	17	24	30	19	21	5			121
145.25							1	5	11	28	41	35	15	6	3			145
143.25						4	6	36	44	52	38	13	4					197
141.25					2	7	26	57	58	47	22	6						225
139.25					3	3	16	61	90	56	30	11	4					274
137.25				1	2	16	31	79	60	50	15	2						256
135.25				3	7	22	54	55	40	20	7	3						211
133.25				3	14	48	56	46	17	6	1							191
131.25				2	23	22	29	18	7	3								104
129.25			4	7	16	17	6	4	3									57
127.25		1		3	5	8	3											20
125.25			2	2	1	1												6
123.25				1														2
121.25	1				1													1
TOTALS	1	1	7	21	72	139	207	300	326	287	226	156	77	49	21	10	5	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-CERVICALE HEIGHT	139.20	5.52	1.893X	+	59.723	3.20
X-TIBIALE HEIGHT	41.98	2.38	0.351Y	-	6.875	1.38

A BIVARIATE FREQUENCY TABLE FOR
CERVICALE HEIGHT AND CROTCH HEIGHT

CERVICALE HEIGHT	CROTCH HEIGHT																	TOT
	61	63	65	67	69	71	73	75	77	79	81	83	85	87	ALS			
157.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	1	1	2	2
155.25													1	2	3	6		6
153.25										1	1	7	3	3	3	15		15
151.25										3	5	8		1	1	17		17
149.25										3	18	21	12	1	55			55
147.25								4	28	39	35	12	3		121			121
145.25							4	23	46	51	16	5			145			145
143.25							12	58	78	37	11	1			197			197
141.25					1	7	42	94	62	15	4				225			225
139.25				1	1	30	88	107	34	11	2				274			274
137.25					13	58	106	63	14	2					256			256
135.25					5	36	76	66	23	5					211			211
133.25				1	21	58	70	32	8	1					191			191
131.25				4	20	38	32	10							104			104
129.25				9	23	19	6								57			57
127.25	1	2		4	7	5	1								20			20
125.25		2		1	2	1									6			6
123.25				2											2			2
121.25	1														1			1
TOTALS	2	4	21	79	172	280	360	380	271	177	95	46	9	9	1905			

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-CERVICALE HEIGHT	139.20	5.52	1.200X	+	49.790	2.66
X-CROTCH HEIGHT	74.50	4.03	0.640Y	-	14.581	1.94

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
ACROMIAL HEIGHT AND SUPRASTERNAL HEIGHT

		SUPRASTERNALE HEIGHT																			TOT
		117	119	121	123	125	127	129	131	133	135	137	139	141	143	145	147	149	151	ALS	
ACROMIAL HEIGHT	151.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	1	
	149.25																			1	
	147.25																			1	
	145.25																			8	
	143.25																			14	
	141.25																			37	
	139.25																			65	
	137.25																			130	
	135.25																			159	
	133.25																			218	
	131.25																			225	
	129.25																			278	
	127.25																			278	
	125.25																			193	
	123.25																			144	
	121.25																			84	
	119.25																			50	
	117.25																			16	
	115.25																			3	
TOTALS		3	13	37	70	157	202	254	289	244	227	166	131	64	23	14	10	0	1	1905	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-ACROMIAL HEIGHT	131.86	5.42	1.000X	-	0.141	1.39
X-SUPRASTERNAL HGT	132.00	5.30	0.936Y	+	8.580	1.35

A BIVARIATE FREQUENCY TABLE FOR
ACROMIAL HEIGHT AND BUSTPOINT HEIGHT

		BUSTPOINT HEIGHT																			TOT
		101	103	105	107	109	111	113	115	117	119	121	123	125	127	129	131	133	135	137	ALS
ACROMIAL HEIGHT	151.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	1
	149.25																				1
	147.25																				8
	145.25																				14
	143.25																				37
	141.25																				65
	139.25																				130
	137.25																				159
	135.25																				218
	133.25																				225
	131.25																				278
	129.25																				278
	127.25																				193
	125.25																				144
	123.25																				84
	121.25																				50
	119.25																				16
	117.25																				3
	115.25																				1
TOTALS		1	2	6	31	66	107	209	273	275	283	223	173	124	63	41	16	6	5	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-ACROMIAL HEIGHT	131.86	5.48	0.982X	+	15.671	1.95
X-BUSTPOINT HEIGHT	118.32	5.21	0.889Y	+	1.095	1.85

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
ACROMIAL HEIGHT AND WAIST HEIGHT

WAIST HEIGHT																	
ACROMIAL HEIGHT	87	89	91	93	95	97	99	101	103	105	107	109	111	113	115	TOT	
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS	
	151.25												1			1	
	149.25												1			1	
	147.25										1	3	3		1	8	
	145.25										1	4	4	2	3	14	
	143.25								1	5	11	10	6	4		37	
	141.25							1	3	16	26	13	6			65	
	139.25							4	34	43	41	8					130
	137.25						1	14	64	47	28		4				159
	135.25						3	14	57	106	34	4					218
	133.25					1	14	54	85	63	7	1					225
	131.25						5	45	106	96	25						278
	129.25			1	5	31	97	101	39	4							278
	127.25			1	6	76	73	36	1								193
	125.25			5	36	61	35	7									144
	123.25	1	1	11	42	23	5	1									84
121.25		4	12	29	5											50	
119.25		6	5	4	1											16	
117.25	2	1														3	
115.25		1														1	
TOTALS	3	13	35	122	203	273	320	297	300	153	113	42	21	6	4	1905	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-ACROMIAL HEIGHT	131.86	5.48	1.119X +	19.648	2.16	0.919
X-WAIST HEIGHT	100.28	4.50	0.755Y +	0.724	1.77	

A BIVARIATE FREQUENCY TABLE FOR
ACROMIAL HEIGHT AND ABDOMINAL EXTENSION HEIGHT

ABDOMINAL EXTENSION HEIGHT																
ACROMIAL HEIGHT	79	81	83	85	87	89	91	93	95	97	99	101	103	105	107	TOT
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
151.25															1	1
149.25															1	1
147.25												2	1	2	1	8
145.25											2	2		6	2	14
143.25											4	15	12	2		37
141.25									1	16	27	12	8	1		65
139.25							1	2	15	44	42	22	4			130
137.25								17	33	62	33	12	2			159
135.25								39	92	51	24	1				218
133.25						7	31	81	74	28	4					225
131.25					5	20	91	105	45	11	1					278
129.25				4	12	62	116	70	11	3						278
127.25			1	9	37	68	59	19								193
125.25			2	17	50	51	21	3								144
123.25	1		6	18	40	18	1									84
121.25			11	14	21	4										50
119.25		1	7	7	1											16
117.25	2	1														3
115.25		1														1
TOTALS	3	3	27	69	166	230	331	336	271	219	139	65	28	15	3	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-ACROMIAL HEIGHT	131.86	5.48	1.115X +	27.996	2.39	0.900
X-ABDOMINAL EXT HGT	93.15	4.42	0.726Y -	2.579	1.93	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
ACROMIAL HEIGHT AND TROCHANTERIC HEIGHT

TROCHANTERIC HEIGHT

	69	71	73	75	77	79	81	83	85	87	89	91	93	95	97	TOT
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
151.25													1			1
149.25												1				1
147.25										1	2		1	4		8
145.25										1	1	3	6	2	1	14
143.25										9	11	8	7	1	1	37
141.25									5	22	22	13	2	1		65
139.25							2	7	30	47	30	11	3			130
137.25							4	28	40	58	25	3	1			159
135.25						9	18	57	82	43	8					218
133.25					4	12	46	74	60	23	6					225
131.25				2	3	39	83	97	45	9						278
129.25				1	23	76	98	63	17							278
127.25			2	7	40	79	52	12	1							193
125.25			6	15	59	42	15	5	1	1						144
123.25	1		9	22	31	18	2	1								84
121.25		3	8	22	12	5										50
119.25		2	5	5	3	1										16
117.25	1	1	1													3
115.25			1													1
TOTALS	2	6	32	74	175	281	320	344	281	214	105	40	21	8	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-ACROMIAL HEIGHT	131.86	5.48	1.112X + 39.928	2.74	0.866
X-TROCHANTERIC HGHT	82.67	4.27	0.675Y - 6.333	2.13	

A BIVARIATE FREQUENCY TABLE FOR
ACROMIAL HEIGHT AND BUTTOCK HEIGHT

BUTTOCK HEIGHT

	65	67	69	71	73	75	77	79	81	83	85	87	89	91	93	95	97	TOT
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
151.25																1		1
149.25															1			1
147.25													3	1	2	2		8
145.25												1	4	2	4	2	1	14
143.25											3	6	14	12	2			37
141.25										2	12	23	14	13			1	65
139.25									2	14	34	50	21	9				130
137.25								1	11	28	57	44	16	1	1			159
135.25							1	9	21	63	86	32	4	2				218
133.25							3	17	50	86	49	17	3					225
131.25							17	43	96	80	36	5	1					278
129.25					1	4	37	90	90	46	9	1						278
127.25					5	10	49	76	42	9	2							193
125.25					6	27	55	41	12	3								144
123.25					8	29	28	12	6	1								84
121.25					9	24	10	5	1									50
119.25			1															16
117.25				2	2	4	5	3										3
115.25					1													1
TOTALS	1	1	2	5	33	99	203	294	331	332	288	179	80	40	10	5	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-ACROMIAL HEIGHT	131.86	5.48	1.131X + 38.877	2.80	0.859
X-BUTTOCK HEIGHT	82.21	4.16	0.653Y - 3.892	2.13	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
ACROMIAL HEIGHT AND GLUTEAL FURROW HEIGHT

ACROMIAL HEIGHT	GLUTEAL FURROW HEIGHT															TOT ALS
	59	61	63	65	67	69	71	73	75	77	79	81	83	85	87	
151.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	1
149.25													1			1
147.25											3	3		2		8
145.25										1	4	1	2	5	1	14
143.25									2	8	16	8	3			37
141.25								2	14	16	17	13	3			65
139.25							1	20	24	45	34	4	2			130
137.25						3	8	35	35	52	23	3				159
135.25				4		2	28	54	72	42	13	3				218
133.25					4	12	49	75	61	22	2					225
131.25				1	11	32	78	97	48	11						278
129.25			1	1	20	82	93	61	19	1						278
127.25			1	7	31	66	65	19	4							193
125.25			2	14	34	59	26	9								144
123.25			5	16	27	29	7									84
121.25		1	3	13	24	9										50
119.25	1	1	1	6	4	2	1									16
117.25	1	2														3
115.25		1														1
TOTALS	3	4	13	58	159	296	356	372	279	198	112	35	11	8	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-ACROMIAL HEIGHT	131.86	5.48	1.145X +	48.618	3.07	0.828
X-GLUTEAL FURROW HGT	72.70	3.96	0.599Y -	6.283	2.22	

A BIVARIATE FREQUENCY TABLE FOR
ACROMIAL HEIGHT AND TIBIALE HEIGHT

		TIBIALE HEIGHT																	TOT
		33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	ALS
ACROMIAL HEIGHT	151.25	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	1
	149.25													1					1
	147.25												1			3	2	2	8
	145.25										1		3		3	3			14
	143.25										2	2	10	7	9	3	2	2	37
	141.25									1	8	8	13	10	11	15	5	1	65
	139.25								1	8	17	36	29	21	13	4	1		130
	137.25							1	9	20	38	32	36	17	7	3			159
	135.25							7	13	44	49	53	38	13	1				218
	133.25				1	1	1	9	34	67	47	39	18	7	1				225
	131.25				1	3	8	25	61	77	61	34	7	1					278
	129.25				1	3	19	48	86	54	49	13	5						278
	127.25					11	27	56	49	37	9	3	1						193
	125.25				4	15	43	33	32	11	5	1							144
	123.25			1	2	20	23	22	9	6	1								84
121.25		1	3	9	13	11	6	6	1									50	
119.25			1	3	5	7												16	
117.25	1		2															3	
115.25					1													1	
TOTALS		1	1	7	21	72	139	207	300	426	287	226	156	77	49	21	10	5	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-ACROMIAL HEIGHT	131.86	5.48	1.839X +	54.654	3.30	0.798
X-TIBIALE HEIGHT	41.98	2.38	0.346Y -	3.641	1.43	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
ACROMIAL HEIGHT AND CROTCH HEIGHT

		CROTCH HEIGHT															TOT
		61	63	65	67	69	71	73	75	77	79	81	83	85	87	ALS	
		.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25		
ACROMIAL HEIGHT	151.25													1		1	
	149.25															1	
	147.25											2	2	1	3	8	
	145.25											1	4	4		14	
	143.25								1	2	7	9	16		2	37	
	141.25									10	23	19	12	1		65	
	139.25							1	15	32	42	32	6	2		130	
	137.25						1	6	28	53	49	17	5			159	
	135.25						3	19	73	84	28	11				218	
	133.25				1	1	11	57	92	39	20	4				225	
	131.25					6	43	96	87	41	5					278	
	129.25				3	24	72	100	69	8	2					278	
	127.25			1	8	40	79	51	12							193	
	125.25			2	18	52	44	25	3							144	
	123.25			4	25	32	18	5								84	
	121.25	1	1	7	18	14	9									50	
	119.25		2	5	6	3										16	
	117.25	1	1	1												3	
	115.25			1												1	
TOTALS		2	4	21	79	172	280	360	380	271	177	95	46	9	9	1905	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-ACROMIAL HEIGHT	131.86	5.48	1.176X	+	44.243	2.75
X-CROTCH HEIGHT	74.50	4.03	0.636Y	-	9.359	2.02

A BIVARIATE FREQUENCY TABLE FOR
SUPRASTERNAL HEIGHT AND BUSTPOINT HEIGHT

		BUSTPOINT HEIGHT																		TOT
		101	103	105	107	109	111	113	115	117	119	121	123	125	127	129	131	133	135	137
		.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25
SUPRASTERNAL HEIGHT	151.25																			1
	149.25																			0
	147.25																			1
	145.25													1				3	4	2
	143.25												1	8	10			7	2	2
	141.25											3	18	21	20			2		
	139.25										1	9	30	59	25	7				
	137.25										13	39	68	35	9	2				
	135.25							2	12	54	95	56	8							
	133.25							10	50	109	57	16	2							
	131.25							9	59	116	83	22								
	129.25					3	43	105	79	23	1									
	127.25					3	25	87	73	14										
	125.25				5	16	53	56	23	4										
	123.25				9	27	21	12	1											
	121.25		1	2	11	16	5	2												
	119.25		1	2	6	4														
	117.25	1		2																
TOTALS		1	2	6	31	66	107	209	273	275	283	223	173	124	63	41	16	6	5	1

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-SUPRASTERNAL HGHT	132.00	5.30	0.958X	+	18.652	1.78
X-BUSTPOINT HEIGHT	118.32	5.21	0.926Y	-	3.914	1.75

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
SUPRASTERNALE HEIGHT AND WAIST HEIGHT

		WAIST HEIGHT																TOT
		87	89	91	93	95	97	99	101	103	105	107	109	111	113	115	ALS	
SUPRASTERNALE HEIGHT	151.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	1
	149.25													1				0
	147.25												1	4	2	3		10
	145.25											2	5	4	2	1		14
	143.25										1	8	9	4	1			23
	141.25									1	9	27	18	8	1			64
	139.25								4	23	52	46	6					131
	137.25						1	1	10	71	56	25	2					166
	135.25						3	11	62	116	29	5	1					227
	133.25						14	59	104	62	5							244
	131.25				1	8	47	123	83	26	1							289
	129.25			1	2	25	90	103	32	1								254
	127.25				9	81	91	19	2									202
	125.25			6	50	73	24	4										157
	123.25	1	2	13	38	13	3											70
	121.25		4	11	20	2												37
	119.25	1	5	4	2	1												13
	117.25	1	2															3
TOTALS		3	13	35	122	203	273	320	297	300	153	113	42	21	6	4		1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-SUPRASTERNALE HGHT	132.00	5.30	1.097X	+	21.996	1.94
X-WAIST HEIGHT	100.28	4.50	0.790Y	-	4.002	1.65

A BIVARIATE FREQUENCY TABLE FOR
SUPRASTERNALE HEIGHT AND ABDOMINAL EXTENSION HEIGHT

		ABDOMINAL EXTENSION HEIGHT																TOT
		79	81	83	85	87	89	91	93	95	97	99	101	103	105	107	ALS	
SUPRASTERNALE HEIGHT	151.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	1
	149.25														1			0
	147.25												1	1	6	2		10
	145.25											3	3	2	5	1		14
	143.25										2	3	9	7	2			23
	141.25									1	8	20	19	15	1			64
	139.25								2	11	42	50	24	2				131
	137.25							1	10	38	70	38	8	1				166
	135.25							9	44	89	61	23	1					227
	133.25						4	41	92	78	28	1						244
	131.25					2	22	90	119	48	7	1						289
	129.25				1	12	57	119	58	6	1							254
	127.25			2	11	34	84	61	10									202
	125.25			3	21	66	56	10	1									157
	123.25	1		6	19	39	6											70
	121.25			11	14	11	1											37
	119.25	1	1	5	4	2												13
	117.25	1	2															3
TOTALS		3	3	27	69	166	230	331	336	271	219	139	65	28	15	3		1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-SUPRASTERNALE HGHT	132.00	5.30	1.098X	+	29.721	2.13
X-ABDOMINAL EXT HGT	93.15	4.42	0.764Y	-	7.697	1.78

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
SUPRASTERNAL HEIGHT AND TROCHANTERIC HEIGHT

SUPRASTERNAL HEIGHT	TROCHANTERIC HEIGHT																TOT ALS
	69 .25	71 .25	73 .25	75 .25	77 .25	79 .25	81 .25	83 .25	85 .25	87 .25	89 .25	91 .25	93 .25	95 .25	97 .25		
151.25													1				1
149.25																	0
147.25											1	1	3	5			10
145.25										2	2	2	6	1	1		14
143.25										3	7	12					23
141.25									2	17	22	14	7	2			64
139.25								9	28	47	38	5	4				131
137.25							6	16	46	71	22	5					166
135.25						5	18	72	74	46	12						227
133.25					3	16	49	86	70	18	1	1					244
131.25				1	5	40	91	95	48	9							289
129.25				2	25	73	93	49	11	1							254
127.25			2	8	51	77	49	13	2								202
125.25	1		7	26	51	55	13	4									157
123.25			9	19	27	14	1										70
121.25		3	10	12	11	1											37
119.25		2	3	6	2												13
117.25	1	1	1														3
TOTALS	2	6	32	74	175	281	320	344	261	214	105	40	21	8	2		1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-SUPRASTERNAL HGHT	132.00	5.30	1.086X	+	42.219	2.58
X-TROCHANTERIC HGHT	82.67	4.27	0.704Y	-	10.257	2.07

A BIVARIATE FREQUENCY TABLE FOR
SUPRASTERNAL HEIGHT AND BUTTOCK HEIGHT

BUTTOCK HEIGHT																		
SUPRASTERNAL HEIGHT	65	67	69	71	73	75	77	79	81	83	85	87	89	91	93	95	97	TOT
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
151.25																1		1
149.25																		0
147.25													2	1	3	3	1	10
145.25												2	4	3	4	1		14
143.25										1	1	3	9	8	1			23
141.25											7	17	17	21	1			64
139.25									1	13	36	50	27	3	1			131
137.25								2	7	25	62	56	12	2				166
135.25							1	7	16	73	89	34	5	2				227
133.25						5	16	64	87	57	13	2						244
131.25					1	17	48	100	89	28	4	2						289
129.25				1	4	32	93	82	34	8								254
127.25				3	15	51	79	44	10									202
125.25				8	33	66	36	14										157
123.25				9	26	22	11	2										70
121.25		1		1	8	16	8	2	1									37
119.25			2	2	4	4	1											13
117.25	1			2														3
TOTALS	1	1	2	5	33	99	203	294	331	332	288	179	80	40	10	5	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-SUPRASTERNAL HGHT	132.00	5.30	1.106X	+	41.074	2.63
X-BUTTOCK HEIGHT	82.21	4.16	0.682Y	-	7.812	2.06

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
SUPRASTERNAL HEIGHT AND GLUTEAL FURROW HEIGHT

SUPRASTERNAL HEIGHT	GLUTEAL FURROW HEIGHT															TOT ALS
	59 .25	61 .25	63 .25	65 .25	67 .25	69 .25	71 .25	73 .25	75 .25	77 .25	79 .25	81 .25	83 .25	85 .25	87 .25	
151.25														1		1
149.25																0
147.25																10
145.25									1	1	5	2	1	3	1	14
143.25								2	2	1	12	7	1			23
141.25								2	7	18	19	12	6			64
139.25								15	26	51	36	2	1			131
137.25						2	8	34	39	47	29	7				166
135.25					2	4	29	66	74	44	6	2				227
133.25					4	16	51	79	63	27	4					244
131.25					9	35	90	95	52	8						289
129.25				4	28	66	90	53	12	1						254
127.25			1	6	28	89	53	22	3							202
125.25			4	15	43	61	29	5								157
123.25			5	17	26	17	4	1								70
121.25	1		1	11	17	5	2									37
119.25	1		2	5	2	1										13
117.25	1	2														3
TOTALS	3	4	13	58	159	296	356	372	279	198	112	35	11	8	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-SUPRASTERNAL HGHT	132.00	5.30	1.119X + 50.649	2.91	0.836
X-GLUTEAL FURROW HGT	72.70	3.96	0.625Y - 9.800	2.17	

A BIVARIATE FREQUENCY TABLE FOR
SUPRASTERNAL HEIGHT AND TIBIAL HEIGHT

TIRIALE HEIGHT																			
SUPRASTERNALE HEIGHT	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	TOT	
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS	
151.25																		1	
149.25													1					0	
147.25																		1	
145.25												3	2	1	2	5	2	10	
143.25										1		5	5	4	4	1	1	14	
141.25										5		10	15	16	6	2	1	64	
139.25							1	1	7	15	34	33	22	16	2			131	
137.25						1	6	26	35	36	41	12	6		3			166	
135.25					1	1	2	18	42	62	57	28	14	2				227	
133.25					1	1	10	33	72	53	44	26	4					244	
131.25					2		7	25	72	76	68	31	6	2				289	
129.25					6	23	45	68	61	34	13	4						254	
127.25				1	10	34	61	58	26	10	2							202	
125.25			1	3	22	42	44	31	11	3								157	
123.25			2	5	19	13	15	11	4	1								70	
121.25		1	1	6	10	14	2	2	1									37	
119.25			2	4	2	4	1											13	
117.25	1		1		1													3	
TOTALS	1	1	7	21	72	139	207	300	326	287	226	156	77	49	21	10	5	1905	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-SUPRASTERNAL HGHT	132.00	5.30	1.805X + 56.223	3.12	0.809
X-TIBIAL HEIGHT	41.98	2.38	0.363Y - 5.934	1.40	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
SUPRASTERNAL HEIGHT AND CROTCH HEIGHT

SUPRASTERNAL HEIGHT	CROTCH HEIGHT															TOT ALS
	61 .25	63 .25	65 .25	67 .25	69 .25	71 .25	73 .25	75 .25	77 .25	79 .25	81 .25	83 .25	85 .25	87 .25		
151.25													1			1
149.25																0
147.25																10
145.25																14
143.25																23
141.25																64
139.25																131
137.25																166
135.25																227
133.25																244
131.25																289
129.25																254
127.25																202
125.25																157
123.25																70
121.25																37
119.25																13
117.25																3
TOTALS	2	4	21	79	172	280	360	380	271	177	95	46	9	9	1905	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-SUPRASTERNAL HGT	132.00	5.30	1.158X +	45.725	2.52
X-CROTCH HEIGHT	74.50	4.03	0.669Y -	13.805	1.91

A BIVARIATE FREQUENCY TABLE FOR
BUSTPOINT HEIGHT AND WAIST HEIGHT

BUSTPOINT HEIGHT	WAIST HEIGHT															TOT ALS
	87 .25	89 .25	91 .25	93 .25	95 .25	97 .25	99 .25	101 .25	103 .25	105 .25	107 .25	109 .25	111 .25	113 .25	115 .25	
137.25																1
135.25																5
133.25																6
131.25																16
129.25																41
127.25																63
125.25																124
123.25																173
121.25																223
119.25																283
117.25																275
115.25																273
113.25																209
111.25																107
109.25																66
107.25																31
105.25																6
103.25																2
101.25																1
TOTALS	3	13	35	122	203	273	320	297	300	153	113	42	21	6	4	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-BUSTPOINT HEIGHT	118.32	5.21	1.040X +	14.029	2.36
X-WAIST HEIGHT	100.28	4.50	0.774Y +	8.700	1.99

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
BUSTPOINT HEIGHT AND ABDOMINAL EXTENSION HEIGHT

BUSTPOINT HEIGHT	ABDOMINAL EXTENSION HEIGHT																TOT ALS
	79 .25	81 .25	83 .25	85 .25	87 .25	89 .25	91 .25	93 .25	95 .25	97 .25	99 .25	101 .25	103 .25	105 .25	107 .25		
137.25														1			1
135.25												1		3		1	5
133.25												1	2	2		1	6
131.25										1	2	2	4	6	1		16
129.25										6	10	11	13	1			41
127.25									2	8	30	14	7	2			63
125.25							1	2	16	35	44	25	1				124
123.25							1	17	45	74	29	6	1				173
121.25						2	16	48	74	58	20	5					223
119.25						8	60	98	84	31	2						283
117.25					8	30	92	102	37	4	2						275
115.25				8	20	83	95	53	12								273
113.25			1	19	45	77	51	15	1								209
111.25			6	12	52	21	15	1									107
109.25	1		10	13	35	7											66
107.25		1	7	15	6	2											31
105.25		2	2	2													6
103.25	1		1														2
101.25	1																1
TOTALS	3	3	27	69	166	230	331	336	271	219	139	65	28	15	3		1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-BUSTPOINT HEIGHT	118.32	5.21	1.053X +	20.230	2.35	0.893
X-ABDOMINAL EXT HGT	93.15	4.42	0.758Y +	3.466	1.99	

A BIVARIATE FREQUENCY TABLE FOR
BUSTPOINT HEIGHT AND TROCHANTERIC HEIGHT

BUSTPOINT HEIGHT	TROCHANTERIC HEIGHT																TOT ALS
	69 .25	71 .25	73 .25	75 .25	77 .25	79 .25	81 .25	83 .25	85 .25	87 .25	89 .25	91 .25	93 .25	95 .25	97 .25		
137.25																	1
135.25													3	2			5
133.25											1	1	2	2			6
131.25										3	3	3	5	1	1		16
129.25									4	10	11	10	4	2			41
127.25									5	21	18	13	5		1		63
125.25								7	24	48	33	10	2				124
123.25							6	36	52	57	19	3					173
121.25					1	7	28	63	70	39	15						223
119.25					2	23	57	100	70	27	4						283
117.25				1	9	50	93	78	37	6	1						275
115.25			2	4	41	81	84	42	16	3							273
113.25			3	13	55	75	43	17	3								209
111.25			5	20	38	34	9	1									107
109.25		1	13	22	22	8											66
107.25	1	1	6	13	7	3											31
105.25		4	2														6
103.25			1	1													2
101.25	1																1
TOTALS	2	6	32	74	175	281	320	344	281	214	105	40	21	8	2		1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-BUSTPOINT HEIGHT	118.32	5.21	1.046X +	31.843	2.70	0.856
X-TROCHANTERIC HGT	82.67	4.27	0.701Y -	0.269	2.21	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
BUSTPOINT HEIGHT AND BUTTOCK HEIGHT

		BUTTOCK HEIGHT																		
BUSTPOINT HEIGHT		65	67	69	71	73	75	77	79	81	83	85	87	89	91	93	95	97	TOT	
		.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS	
	137.25														1				1	
	135.25													1			3		5	
	133.25													3			1		6	
	131.25												1	5		3		1	16	
	129.25										2	4	11	6	17			1	41	
	127.25								1		3	10	18	17	13		1		63	
	125.25										10	41	48	20	4		1		124	
	123.25								3	13	38	54	49	16					173	
121.25							2	13	25	65	79	30	7	2				223		
119.25							9	22	73	90	73	14	2					283		
117.25					1	2	16	63	89	80	14	8	2					275		
115.25					1	11	44	96	75	33	12		1					273		
113.25					5	18	67	64	44	10	1							209		
111.25					9	25	39	22	11	1								107		
109.25				1	10	26	20	8										66		
107.25		1	1		1	5	16	5	2									31		
105.25					3	1	1	1										6		
103.25					1	1												2		
101.25	1																	1		
TOTALS		1	1	2	5	33	99	203	294	331	332	288	179	80	40	10	5	2	1905	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-BUSTPOINT HEIGHT	118.32	5.21	1.057X +	31.420	2.80	0.844
X-BUTTOCK HEIGHT	82.21	4.16	0.674Y +	2.466	2.23	

A BIVARIATE FREQUENCY TABLE FOR
BUSTPOINT HEIGHT AND GLUTEAL FURROW HEIGHT

GLUTEAL FURROW HEIGHT																
BUSTPOINT HEIGHT	59	61	63	65	67	69	71	73	75	77	79	81	83	85	87	TOT
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
137.25														1		1
135.25											2	3		3		5
133.25											1	3		2		6
131.25											5	3				8
129.25								1	4	6	15	9	6	2	1	16
127.25								3	6	16	27	11				41
125.25								14	25	52	28	4	1			63
123.25							10	33	57	48	22	2				124
121.25						5	7	23	61	77	39	9	2			173
119.25					3	14	69	109	61	24	2	1				223
117.25					11	46	92	80	33	12	1					283
115.25				6	27	89	88	50	12	1						275
113.25			1	12	40	78	55	20	3							273
111.25			5	11	38	35	17	1								209
109.25	1		5	12	22	25	1									107
107.25	1		1	14	13	1	1									66
105.25		3	1	2												31
103.25			1	1												6
101.25	1															2
TOTALS	3	4	13	58	159	296	356	372	279	198	112	35	11	8	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-BUSTPOINT HEIGHT	118.32	5.21	1.101X +	38.275	2.86	0.837
X-GLUTEAL FURROW HGT	72.70	3.96	0.636Y -	2.550	2.17	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
BUSTPOINT HEIGHT AND TIBIALE HEIGHT

BUSTPOINT HEIGHT	TIBIALE HEIGHT																	TOT
	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	ALS
137.25	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	1
135.25													3	1		1		5
133.25															1	3	2	6
131.25										1		3	1	5	4			16
129.25										2	4	6	11	10	5	2	1	41
127.25							1		1	5	13	14	13	11	2	1	2	63
125.25									11	19	24	37	16	9	7	1		124
123.25							2	9	28	42	39	32	10	11				173
121.25			1				4	22	47	50	57	27	13	1	1			223
119.25						3	17	44	76	64	49	22	8					283
117.25					3	19	29	59	68	58	24	12	2	1				275
115.25				1		9	25	55	78	56	31	15	3					273
113.25				2		18	37	53	60	28	11							209
111.25				2	4	15	25	29	19	9	3	1						107
109.25				3	4	13	20	16	8	1	1							66
107.25		1		7	12	8	1	1	1									31
105.25			1	1	2	2												6
103.25			1	1														2
101.25	1																	1
TOTALS	1	1	7	21	72	139	207	300	326	287	226	156	77	49	21	10	5	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-BUSTPOINT HEIGHT	118.32	5.21	1.724X	+	45.941	3.22
X-TIBIALE HEIGHT	41.98	2.38	0.358Y	-	0.376	1.47

A BIVARIATE FREQUENCY TABLE FOR
BUSTPOINT HEIGHT AND CROTCH HEIGHT

		CROTCH HEIGHT															TOT
		61	63	65	67	69	71	73	75	77	79	81	83	85	87	ALS	
		.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25		
BUSTPOINT HEIGHT	137.25													1		1	
	135.25												1	3	1	5	
	133.25												3		3	6	
	131.25										3	1		3	3	16	
	129.25								1	3	7	15	13	1	1	41	
	127.25								1	9	19	23	10		1	63	
	125.25							1	7	33	41	33	8	1		124	
	123.25						2	8	43	57	47	13	3			173	
	121.25						3	31	69	78	33	7	2			223	
	119.25				1		19	70	112	58	21	2				283	
	117.25					9	52	92	89	27	5	1				275	
	115.25			2	3	41	74	98	48	6	1					273	
	113.25				16	51	86	47	9							209	
	111.25			4	20	37	33	12	1							107	
	109.25		1	7	26	23	8	1								66	
	107.25	1		5	11	11	3									31	
105.25			1	3	2											6	
103.25			2													2	
101.25	1															1	
TOTALS		2	4	21	79	172	280	360	380	271	177	95	46	9	9	1905	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-BUSTPOINT HEIGHT	118.32	5.21	1.115X	+	35.246	2.64
X-CROTCH HEIGHT	74.50	4.03	0.666Y	-	4.296	2.04

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WAIST HEIGHT AND ABDOMINAL EXTENSION HEIGHT

		ABDOMINAL EXTENSION HEIGHT																TOT
		79	81	83	85	87	89	91	93	95	97	99	101	103	105	107	ALS	
WAIST HEIGHT	115.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	4
	113.25														2	4		6
	111.25											1	4		9	7		21
	109.25										2	10	16	11	3			42
	107.25									3	19	49	36	6				113
	105.25								4	15	71	54	9					153
	103.25							5	40	117	114	24						300
	101.25						4	37	131	111	13	1						297
	99.25					5	24	134	133	24								320
	97.25				2	16	95	133	26	1								273
	95.25			3	16	65	95	22	2									203
	93.25			6	33	71	12											122
	91.25			10	16	9												35
	89.25		3	8	2													13
	87.25	3																3
TOTALS		3	3	27	69	166	230	331	336	271	219	139	65	28	15	3	1905	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-WAIST HEIGHT	100.28	4.50	0.963X	+	10.574	1.45
X-ABDOMINAL EXT HGT	93.15	4.42	0.931Y	-	0.208	1.42

A BIVARIATE FREQUENCY TABLE FOR
WAIST HEIGHT AND TROCHANTERIC HEIGHT

		TROCHANTERIC HEIGHT																TOT
		69	71	73	75	77	79	81	83	85	87	89	91	93	95	97	ALS	
WAIST HEIGHT	115.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	4
	113.25														2	1		6
	111.25											1	8		6	6		21
	109.25									1	6	14	15	6				42
	107.25								2	9	45	43	11	3				113
	105.25							1	13	40	69	26	4					153
	103.25						2	9	78	116	73	19	2	1				300
	101.25					2	15	65	126	72	15	2						297
	99.25				1	9	57	126	93	29	5							320
	97.25				5	29	114	90	23	12								273
	95.25			4	20	74	69	25	9	2								203
	93.25		1	11	32	54	20	4										122
	91.25	1	1	11	13	5	4											35
	89.25		4	5	3	1												13
	87.25	1		1		1												3
TOTALS		2	6	32	74	175	281	320	344	281	214	105	40	21	8	2	1905	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-WAIST HEIGHT	100.28	4.50	0.945X	+	22.153	1.99
X-TROCHANTERIC HGT	82.67	4.27	0.850Y	-	2.564	1.89

A BIVARIATE FREQUENCY TABLE FOR
WAIST HEIGHT AND GLUTEAL FURROW HEIGHT

		GLUTEAL FURROW HEIGHT														TOT
		59	61	63	65	67	69	71	73	75	77	79	81	83	85	
WAIST HEIGHT	115.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
	113.25											1	2	2	1	4
	111.25											6	7	4	4	21
	109.25								1	1	8	18	9	4	1	42
	107.25							2	4	23	31	39	13	1		113
	105.25						1	1	26	31	66	26	2			153
	103.25							32	75	100	70	22				300
	101.25					3	19	65	104	88	17		1			297
	99.25					14	51	115	102	33	5					320
	97.25			1	4	29	99	89	48	2	1					273
	95.25			3	13	47	86	43	10							203
	93.25			4	23	54	31	8	2							122
	91.25			3	15	9	7	1								35
	89.25	2	3	1	3	3	1									13
	87.25	1	1	1												3
TOTALS		3	4	13	58	159	296	356	372	279	198	112	35	11	8	1 1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-WAIST HEIGHT	100.28	4.50	0.981X	+	28.959	2.26
X-GLUTEAL FURROW HGT	72.70	3.96	0.761Y	-	3.611	1.99

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WAIST HEIGHT AND BUTTOCK HEIGHT

		BUTTOCK HEIGHT														TOT
		65	67	69	71	73	75	77	79	81	83	85	87	89	91	
WAIST HEIGHT	115.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
	113.25													1	2	4
	111.25													3	2	6
	109.25											5	1	5	6	21
	107.25										5	20	41	14	14	42
	105.25							1	1	20	51	61	17	2		113
	103.25							3	26	79	127	56	8	1		153
	101.25						6	28	65	121	64	10	3			300
	99.25					3	18	74	132	78	13	2				297
	97.25					2	4	55	103	77	24	8				320
	95.25					6	29	70	67	26	5					273
	93.25					14	42	45	17	4						203
	91.25				1	6	19	8	1							122
	89.25		1	2	3	9	1	1								35
	87.25	1			1	1										13
TOTALS		1	1	2	5	33	99	203	294	331	332	288	179	80	40	1 1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-WAIST HEIGHT	100.28	4.50	0.961X	+	21.272	2.06
X-BUTTOCK HEIGHT	82.21	4.16	0.823Y	-	0.317	1.90

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WAIST HEIGHT AND TIBIALE HEIGHT

WAIST HEIGHT	TIBIALE HEIGHT																	TOT
	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	ALS
115.25	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	4
113.25													1	3	1		1	6
111.25												2	7	5	3	3	1	21
109.25										3	2	11	7	8	5	3	3	42
107.25										11	24	28	21	18	9	2		113
105.25								2	10	28	40	42	22	9				153
103.25								2	13	58	78	81	49	14	4	1		300
101.25							4	11	54	86	70	46	19	5	2			297
99.25					2	8	48	79	87	63	30	3						320
97.25				2	7	33	59	78	60	29	3	2						273
95.25				2	16	52	55	53	21	4								203
93.25				2	8	31	28	31	18	3	1							122
91.25				1	8	12	9	1	3	1								35
89.25			1	3	1	3	5											13
87.25		1	1	1		1												3
TOTALS	1	1	7	21	72	139	207	300	326	287	226	156	77	49	21	10	5	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-WAIST HEIGHT	100.28	4.50	1.574X	+	34.198	2.50
X-TIBIALE HEIGHT	41.98	2.38	0.439Y	-	2.040	1.32

A BIVARIATE FREQUENCY TABLE FOR
WAIST HEIGHT AND CROTCH HEIGHT

		CROTCH HEIGHT																TOT
		61	63	65	67	69	71	73	75	77	79	81	83	85	87	TOT		
		.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS		
WAIST HEIGHT	115.25													1	3	4		
	113.25												3	1	2	6		
	111.25											1	13	5	2	21		
	109.25									1	6	17	15	1	2	42		
	107.25									14	40	46	12	1		113		
	105.25							2	13	48	66	22	2			153		
	103.25									93	132	54	7	1		300		
	101.25						21	13	60	144	59	11	2			297		
	99.25				1	5	54	152	95	13						320		
	97.25				3	31	109	99	27	4						273		
	95.25			1	21	76	67	30	8							203		
	93.25			5	40	46	27	4								122		
	91.25		1	8	11	13	2									35		
	89.25	1	2	7	2	1										13		
87.25	1	1		1											3			
TOTALS		2	4	21	79	172	280	360	380	271	177	95	46	9	9	1905		

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-WAIST HEIGHT	100.28	4.50	1.015X	+	24.657	1.87
X-CROTCH HEIGHT	74.50	4.03	0.814Y	-	7.122	1.68

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WAIST HEIGHT AND WAIST HEIGHT, SITTING

WAIST HEIGHT, SITTING

WAIST HEIGHT	18	18	19	19	20	20	21	21	22	22	23	23	24	24	25	25	26	26	27	27	28	28	29	TOT
	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	ALS
115.25										1											2			4
113.25										1					1	2			1					6
111.25									1		3		4	3	2	1	1		3	2				21
109.25					1	1	1		1	2	2	5	6	4	7	5	4	2			1			42
107.25			1			2	2	2	8	6	11	10	20	11	11	9	7	6	3	2	1		1	113
105.25					1	5	2	5	16	23	25	27	32	46	38	22	14	5	4	6			1	153
103.25		1		1	5	2	5	8	19	29	23	31	38	25	32	30	23	15	8	2	3	1		300
101.25				2	5	2	8	19	29	23	31	38	25	32	30	23	15	8	2	3	1		1	297
99.25			1	2	5	6	15	18	29	35	46	44	43	30	19	12	8	3	3	1				320
97.25		2	3	1	6	13	17	31	32	21	27	31	33	21	18	9	5	1	2					273
95.25		2	2	3	7	8	18	21	27	27	26	24	19	11	3	1	2	1	1					203
93.25	1	1	4	1	7	7	12	12	17	17	9	13	16	1	1	1	1			1				122
91.25	2		1	1	5	3	4	5	2	4	4	3	1											35
89.25							2	3	2		2	2			1									13
87.25						2					1													3
TOTALS	3	6	12	12	42	51	86	128	179	171	200	215	212	189	150	95	66	34	28	17	6	0	3	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-WAIST HEIGHT	100.28	4.50	1.080X	+	75.042	0.416
X-WAIST HGHT, SITTING	23.37	1.73	0.160Y	+	7.323	1.58

A BIVARIATE FREQUENCY TABLE FOR
WAIST HEIGHT AND CHEST CIRCUMFERENCE AT SCYE

CHEST CIRCUMFERENCE AT SCYE

WAIST HEIGHT	71	73	75	77	79	81	83	85	87	89	91	93	95	97	99	101	103	TOT
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
115.25							1	1					1	1				4
113.25							2	3										6
111.25				1	1	1	2	4	2	4	1		4			1		21
109.25					2	2	6	4	12	4	6	4	2					42
107.25				2	4	7	16	24	16	13	11	13	1	3	1	1		113
105.25					7	7	19	25	20	33	15	11	5	2	2	4	2	153
103.25			4	1	13	33	42	32	57	34	37	21	11	8	2	2	3	300
101.25		2	4	12	33	54	49	47	30	30	21	7	3	1	3	1		297
99.25			1	6	19	41	56	62	58	32	27	6	3	4	1	1	2	320
97.25			2	11	25	34	42	60	43	16	18	7	4	8	3			273
95.25			4	12	17	37	36	34	31	10	9	9	3	1				203
93.25	1	1	4	20	11	29	24	11	8	5	2	2	2	1	1			122
91.25		1	2	5	5	6	9	2	1	2				1				35
89.25				1	2	5	1	2	2									13
87.25			1			1								1				3
TOTALS	1	16	43	123	214	309	331	299	193	162	97	42	38	13	12	10	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-WAIST HEIGHT	100.28	4.50	0.243X	+	79.806	0.268
X-CHEST CIRC AT SCYE	84.25	4.96	0.296Y	+	54.566	4.78

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WAIST HEIGHT AND UPPER THIGH CIRCUMFERENCE

	UPPER THIGH CIRCUMFERENCE															TOT ALS
	43 .25	45 .25	47 .25	49 .25	51 .25	53 .25	55 .25	57 .25	59 .25	61 .25	63 .25	65 .25	67 .25	69 .25	71 .25	
115.25				1				2						1		4
113.25		1			1	4										6
111.25					3	3	2	4	3	2	3	1				21
109.25				1	2	3	8	11	9	4	2	1	1			42
107.25		1	1	4	10	16	20	21	21	11	6	2				113
105.25		1	1	1	6	11	16	29	33	26	15	8	3	1	2	153
103.25	1	1	5	14	23	40	63	44	54	30	13	7	4		1	300
101.25		1	5	18	29	48	63	58	38	19	9	4	4			297
99.25	1	1	10	16	46	78	68	47	27	13	5	4		2	2	320
97.25	1	3	12	15	48	56	51	43	22	14	3	3	1	1		273
95.25		3	9	23	31	37	40	30	22	6		2				203
93.25	1	2	4	15	19	27	20	11	13	6	4					122
91.25		1	1	6	3	8	8	3	4		1					35
89.25				2	4	2	3		1		1					13
87.25			1	1						1						3
TOTALS	4	15	49	122	230	338	375	307	240	121	55	27	11	7	4	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-WAIST HEIGHT	100.28	4.50	0.269X +	85.356	4.35	0.252
X-UPPER THIGH CIRCUM	55.48	4.22	0.237Y +	31.709	4.08	

A BIVARIATE FREQUENCY TABLE FOR
WAIST HEIGHT AND KNEE CIRCUMFERENCE

		KNEE CIRCUMFERENCE																
WAIST HEIGHT		30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	TOT
		.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
	115.25				1				1	1			1					4
	113.25					2	1	2		1								6
	111.25				1	2	4	3	2	3	4		2					21
	109.25				1	4	5	8	6	8	5	2	3					42
	107.25		1		3	10	17	22	28	12	11	6	2					113
	105.25			2	8	9	23	28	33	23	12	8	6	1				153
	103.25	1	2	7	24	41	43	59	43	41	18	13	4	2	1		1	300
	101.25		4	7	30	43	45	64	45	26	15	9	5	3			1	297
99.25	2		21	42	60	70	54	31	17	12	4	3		3	1		320	
97.25	1	16	16	42	45	45	50	29	14	7	2	2	2		2		273	
95.25		6	22	33	52	40	25	15	8	2							203	
93.25	3	6	19	15	22	26	10	7	9	3	1	1					122	
91.25	1	3	4	7	5	5	3	3	3		1						35	
89.25		1	3		6		2	1									13	
87.25			1	1						1							3	
TOTALS		8	39	103	208	301	324	330	244	166	90	46	29	8	4	3	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-WAIST HEIGHT	100.28	4.50	0.700X +	74.868	4.21	0.353
X-KNEE CIRCUMFERENCE	36.30	2.27	0.178Y +	18.452	2.12	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WAIST HEIGHT AND CALF CIRCUMFERENCE, RIGHT

CALF CIRCUMFERENCE, RIGHT

WAIST HEIGHT	CALF CIRCUMFERENCE, RIGHT																			TOT
	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	ALS
115.25					1					1	1		1							4
113.25						2	1		2	1										6
111.25					1	2	4	3	3	3	3	1	1							21
109.25					1	2	2	6	7	9	6	4	3	2						42
107.25				3	3	7	14	17	19	27	9	12	2							113
105.25		1			5	10	15	33	19	26	20	15	8	1						153
103.25	1	1		4	11	26	39	56	47	42	40	16	9	2	4	1			1	300
101.25			1	6	16	23	49	47	57	33	35	18	4	5	3					297
99.25			4	5	21	47	44	60	56	35	24	14	5	1	2	1		1		320
97.25		2	1	12	17	41	47	52	34	29	23	6	5	3	1					273
95.25				10	18	29	43	45	29	14	10	4	1							203
93.25			5	4	16	16	18	29	14	10	6	3		1						122
91.25			1	1	3	8	5	5	2	4	1									35
89.25					1	4	3	2	1	1	1									13
87.25							1	1			1									3
TOTALS	1	4	12	45	114	217	285	356	293	233	183	94	39	15	10	2	0	1	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-WAIST HEIGHT	100.28	4.50	0.494X	+	83.412	4.36
X-CALF CIRCUM, RIGHT	34.14	2.25	0.123Y	+	21.809	2.18

A BIVARIATE FREQUENCY TABLE FOR
WAIST HEIGHT AND ANKLE CIRCUMFERENCE

ANKLE CIRCUMFERENCE

WAIST HEIGHT	ANKLE CIRCUMFERENCE																			TOT
	17	18	18	19	19	20	20	21	21	22	22	23	23	24	24	25	25	25	25	ALS
115.25						1				1		1								4
113.25						2	1		2	1		1								6
111.25				1		2	4	1	3	3	3	1	1	1	1					21
109.25				1		2	2	5	7	9	5	4	5	2						42
107.25				3	5	11	14	20	20	15	10	6	8		1					113
105.25		1		3	3	10	24	19	19	25	19	18	5	2	3	2				153
103.25			4	9	15	28	34	51	40	50	23	23	10	7	4	2				300
101.25		1	4	9	21	40	32	52	47	35	18	16	10	10	1	1				297
99.25	1		6	19	19	37	46	64	37	43	26	7	9	2	1	1	2			320
97.25		2	5	14	28	39	35	49	35	28	12	12	9	2	2	1				273
95.25		2	9	11	29	44	30	28	23	16	4	4	3							203
93.25		3	8	12	16	14	18	24	10	10	4	2	1							122
91.25		1	2	3	5	5	5	9	1	3	1									35
89.25			1	1	2	1	4	1	2					1						13
87.25							2					1								3
TOTALS	1	10	39	86	143	236	251	323	247	238	125	96	61	27	13	7	2			1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-WAIST HEIGHT	100.28	4.50	1.008X	+	79.194	4.31
X-ANKLE CIRCUMFERENCE	21.09	1.29	0.082Y	+	12.862	1.23

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
ABDOMINAL EXTENSION HEIGHT AND TROCHANTERIC HEIGHT

ABDOMINAL EXTENSION HEIGHT	TROCHANTERIC HEIGHT																TOT
	69	71	73	75	77	79	81	83	85	87	89	91	93	95	97	ALS	
107.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	3
105.25																	1
103.25																	1
101.25																	1
99.25																	1
97.25																	1
95.25																	1
93.25																	1
91.25																	1
89.25																	1
87.25																	1
85.25																	1
83.25																	1
81.25																	1
79.25																	1
TOTALS	2	6	32	74	175	281	320	344	281	214	105	40	21	8	2	1905	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-ABDOMINAL EXT HGT	93.15	4.42	0.928X +	16.432	1.97	0.896
X-TROCHANTERIC HGHT	82.67	4.27	0.864Y +	2.189	1.90	

A BIVARIATE FREQUENCY TABLE FOR
ABDOMINAL EXTENSION HEIGHT AND BUTTOCK HEIGHT

ABDOMINAL EXTENSION HEIGHT	BUTTOCK HEIGHT																	TOT
	65	67	69	71	73	75	77	79	81	83	85	87	89	91	93	95	97	ALS
107.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	3
105.25															1	2		15
103.25													4	3		5	2	13
101.25												3	11	11	2		1	28
99.25										2	9	14	22	15	2			65
97.25								3	3	9	36	61	24	9				139
95.25								6	34	38	96	66	12	1				219
93.25							1	41	115	101	97	27	5					271
91.25						1	34	109	121	38	8	2	1					336
89.25							34	87	54	12								331
87.25						1	20	67		7								230
85.25							37	68										166
83.25							14	37	68									69
81.25							9	32	20	7	1							27
79.25								8	3	2	1							3
TOTALS	1	1	2	5	33	99	203	294	331	332	288	179	80	40	10	5	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-ABDOMINAL EXT HGT	93.15	4.42	0.950X +	15.050	1.98	0.895
X-BUTTOCK HEIGHT	82.21	4.16	0.842Y +	3.779	1.86	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
ABDOMINAL EXTENSION HEIGHT AND GLUTEAL FURROW HEIGHT

ABDOMINAL EXTENSION HEIGHT	GLUTEAL FURROW HEIGHT																TOT ALS
	59 .25	61 .25	63 .25	65 .25	67 .25	69 .25	71 .25	73 .25	75 .25	77 .25	79 .25	81 .25	83 .25	85 .25	87 .25		
107.25																1	3
105.25											3	4	3	5			15
103.25									1	2	9	10	6				28
101.25								3	4	14	28	13	2	1			65
99.25								12	30	54	36	7					139
97.25						1	8	40	70	68	31	1					219
95.25						7	38	80	98	44	4						271
93.25					9	22	99	132	59	14	1						336
91.25				1	15	87	128	83	15	2							331
89.25			2	11	40	96	62	17	2								230
87.25			2	19	58	66	16	5									166
85.25			4	16	29	15	5										69
83.25	2	1	4	10	8	2											27
81.25		2		1													3
79.25	1	1	1														3
TOTALS	3	4	13	58	159	296	356	372	279	198	112	35	11	8	1	1905	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-ABDOMINAL EXT HGT	93.15	4.42	0.975X +	22.268	2.15	0.874
X-GLUTEAL FURROW HGT	72.70	3.96	0.782Y -	0.144	1.93	

A BIVARIATE FREQUENCY TABLE FOR
ABDOMINAL EXTENSION HEIGHT AND TIBIALE HEIGHT

		TIRIALE HEIGHT																	TOT ALS
		33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	44 .75	45 .75	46 .75	47 .75	48 .75	49 .75	
ABDOMINAL EXTENSION HEIGHT	107.25															2	1		3
	105.25													4	3	2	4	2	15
	103.25												4	8	9	3	2	2	28
	101.25									3	9	16	11	15	8	2	1		65
	99.25							1	4	21	28	41	27	12	4	1			139
	97.25								3	29	55	64	42	17	7	2			219
	95.25						2	11	20	62	65	66	34	9	2				271
	93.25						6	18	70	101	84	37	18	1	1				336
	91.25				1	4	17	61	96	83	48	21							331
	89.25			1	1	10	47	59	67	35	8	1	1						230
	87.25				6	25	41	49	32	10	3								166
	85.25			2	7	22	17	8	11	2									69
	83.25		1	2	6	8	9	1											27
	81.25			1		2													3
	79.25	1		1		1													3
TOTALS		1	1	7	21	72	139	207	300	326	287	226	156	77	49	21	10	5	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-ABDOMINAL EXT HGT	93.15	4.42	1.554X +	27.911	2.43	0.835
X-TIBIALE HEIGHT	41.98	2.38	0.449Y +	0.157	1.31	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
ABDOMINAL EXTENSION HEIGHT AND CROTCH HEIGHT

		CROTCH HEIGHT																TOT
		61	63	65	67	69	71	73	75	77	79	81	83	85	87	25	ALS	
ABDOMINAL EXTENSION HEIGHT	107.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	3	
	105.25											2	4	5	4		15	
	103.25										2	6	18	1	1		28	
	101.25										11	33	15	3	1		65	
	99.25							1	5	28	60	36	9				139	
	97.25							1	36	97	70	15					219	
	95.25						4	28	116	88	33	2					271	
	93.25					2	25	115	143	49	1	1					336	
	91.25				1	9	95	150	69	7							331	
	89.25				6	59	102	52	11								230	
	87.25			2	34	75	42	13									166	
	85.25			6	31	21	11										69	
	83.25	1	3	10	6	6	1										27	
	81.25			3													3	
	79.25	1	1		1												3	
TOTALS		2	4	21	79	172	280	360	380	271	177	95	46	9	9	1905		

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-ABDOMINAL EXT HGT	93.15	4.42	1.009X	+	18.051	0.919
X-CROTCH HEIGHT	74.50	4.03	0.837Y	-	3.464	1.59

A BIVARIATE FREQUENCY TABLE FOR
TROCHANTERIC HEIGHT AND BUTTOCK HEIGHT

		BUTTOCK HEIGHT																		TOT
		65	67	69	71	73	75	77	79	81	83	85	87	89	91	93	95	97	ALS	
TROCHANTERIC HEIGHT	97.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	2	
	95.25															3	2		8	
	93.25															3	1	2	2	
	91.25															12	3		21	
	89.25										1	1	2	4	8		3	2	40	
	87.25										4	23	38	27	12	1			105	
	85.25									2	4	25	78	75	25	5			214	
	83.25								6	6	33	91	97	43	11				281	
	81.25							6	34	99	127	69	9						344	
	79.25					2	10	31	81	120	66	18	2						320	
	77.25					10	36	67	47	15									281	
	75.25					12	34	18	8										175	
	73.25			1	1	2	8	15	6										74	
	71.25		1		2	1	1	1											32	
	69.25	1					1												6	
TOTALS		1	1	2	5	33	99	203	294	331	332	288	179	80	40	10	5	2	1905	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-TROCHANTERIC HGT	82.67	4.27	0.906X	+	8.188	0.884
X-BUTTOCK HEIGHT	82.21	4.16	0.862Y	+	10.949	1.95

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
TROCHANTERIC HEIGHT AND GLUTEAL FURROW HEIGHT

		GLUTEAL FURROW HEIGHT																TOT
		59	61	63	65	67	69	71	73	75	77	79	81	83	85	87	ALS	
TROCHANTERIC HEIGHT	97.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	1	
	95.25												1			1	2	
	93.25										2	7	5	4	3		8	
	91.25									1	7	16	11	4	1		21	
	89.25								7	19	37	28	12	2			40	
	87.25							9	26	57	71	49	2				105	
	85.25						5	35	91	84	56	9	1				214	
	83.25				1	3	26	85	124	82	20	3					281	
	81.25				2	18	65	110	91	29	5						344	
	79.25			1	7	44	105	86	31	7							320	
	77.25			5	15	55	70	28	2								281	
	75.25			3	16	29	23	3									175	
	73.25	1	2	3	14	10	2										74	
	71.25	1	2	1	2												32	
	69.25	1			1												6	
TOTALS		3	4	13	58	159	296	356	372	279	198	112	35	11	8	1	1905	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-TROCHANTERIC HGHT	82.67	4.27	0.927X	+	15.279	2.17
X-GLUTEAL FURROW HGT	72.70	3.96	0.799Y	+	6.646	2.02

A BIVARIATE FREQUENCY TABLE FOR
TROCHANTERIC HEIGHT AND TIBIALE HEIGHT

		TIBIALE HEIGHT																TOT ALS
		33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	
TROCHANTERIC HEIGHT	97.25	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	1
	95.25													2	1	2	2	1
	93.25										1	2	6	6	3	2	1	21
	91.25										2	8	12	7	6	4	1	40
	89.25									5	15	22	27	17	13	4	1	105
	87.25								4	23	40	56	49	19	17	5	1	214
	85.25						4	9	22	64	67	58	38	15	4			281
	83.25					1	4	26	66	75	82	58	25	6	1			344
	81.25				1	4	17	42	90	92	45	22	7					320
	79.25				3	16	37	79	60	45	31	9						281
	77.25				4	24	44	34	48	18	3							175
	75.25			2	8	14	24	15	7	2	2							74
	73.25			3	4	11	7	2	3	2								32
	71.25		1	1	1	1	2											6
	69.25	1				1												2
TOTALS		1	1	7	21	72	139	207	300	326	287	226	156	77	49	21	10	5 1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-TROCHANTERIC HGHT	82.67	4.27	1.410X	+	23.477	0.785
X-TIBIALE HEIGHT	41.98	2.38	0.437Y	+	5.855	1.47

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
TROCHANTERIC HEIGHT AND CROTCH HEIGHT

		CROTCH HEIGHT																			TOT
		61	63	65	67	69	71	73	75	77	79	81	83	85	87	25	25	25	25	25	ALS
TROCHANTERIC HEIGHT	97.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	2
	95.25																				2
	93.25																				8
	91.25																				21
	89.25																				40
	87.25																				105
	85.25																				214
	83.25																				281
	81.25																				344
	79.25																				320
	77.25																				281
	75.25																				175
	73.25																				74
	71.25																				32
	69.25																				6
TOTALS		2	4	21	79	172	280	360	380	271	177	95	46	9	9	1905					

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-TROCHANTERIC HGHT	82.67	4.27	0.955X +	11.521	1.85
X-CROTCH HEIGHT	74.50	4.03	0.851Y +	4.150	1.74

A BIVARIATE FREQUENCY TABLE FOR
BUTTOCK HEIGHT AND GLUTEAL FURROW HEIGHT

		GLUTEAL FURROW HEIGHT																			TOT
		59	61	63	65	67	69	71	73	75	77	79	81	83	85	87	25	25	25	25	ALS
BUTTOCK HEIGHT	97.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	2
	95.25																				5
	93.25																				10
	91.25																				40
	89.25																				80
	87.25																				179
	85.25																				288
	83.25																				332
	81.25																				331
	79.25																				294
	77.25																				203
	75.25																				99
	73.25																				33
	71.25																				5
	69.25																				2
	67.25																				1
	65.25																				1
TOTALS		3	4	13	58	159	296	356	372	279	198	112	35	11	8	1	1905				

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-BUTTOCK HEIGHT	82.21	4.16	0.930X +	14.601	1.94
X-GLUTEAL FURROW HGT	72.70	3.96	0.842Y +	3.478	1.84

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
BUTTOCK HEIGHT AND TIBIALE HEIGHT

		TIBIALE HEIGHT																			TOT
		33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	TOT		
		.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS		
BUTTOCK HEIGHT	97.25														1	1			2		
	95.25													1	1	1			5		
	93.25													2	1	2			5		
	91.25											3	6	9	13	6		2	10		
	89.25									1	7	14	19	12	14	8	3	2	40		
	87.25									1	10	33	41	49	27	15	2		80		
	85.25						1	5	14	52	76	72	45	20	3				179		
	83.25					1	6	14	45	83	80	65	30	6	1	1			288		
	81.25					2	15	41	97	96	52	24	4						332		
	79.25				1	8	31	69	82	64	31	6	2						331		
	77.25				6	27	39	54	51	17	8	1							294		
	75.25			3	7	25	35	18	9	2									203		
	73.25			1	7	6	11	6	1	1									99		
	71.25			2		2	1												33		
	69.25			1		1													5		
	67.25		1																2		
	65.25	1																	1		
TOTALS		1	1	7	21	72	139	207	300	326	287	226	156	77	49	21	10	5	1905		

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-BUTTOCK HEIGHT	82.21	4.16	1.435X	+	21.968	0.819
X-TIBIALE HEIGHT	41.98	2.38	0.468Y	+	3.507	1.36

A BIVARIATE FREQUENCY TABLE FOR
BUTTOCK HEIGHT AND CROTCH HEIGHT

		CROTCH HEIGHT															TOT
		61	63	65	67	69	71	73	75	77	79	81	83	85	87	ALS	
BUTTOCK HEIGHT	97.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	2	
	95.25												1	3	1	5	
	93.25												1	5	4	10	
	91.25										2	14	20	3	1	40	
	89.25								1	8	24	30	13	3	1	80	
	87.25								12	46	81	35	5			179	
	85.25						1	12	86	116	57	14	2			288	
	83.25					2	13	69	161	74	12	1				332	
	81.25			1		3	58	162	84	22	1					331	
	79.25			1	4	41	122	91	30	5						294	
	77.25			1	24	77	70	26	5							203	
	75.25			8	35	40	15		1							99	
	73.25		1	6	16	9	1									33	
	71.25		2	3												5	
	69.25		1	1												2	
	67.25	1														1	
	65.25	1														1	
TOTALS		2	4	21	79	172	280	360	380	271	177	95	46	9	9	1905	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-BUTTOCK HEIGHT	82.21	4.16	0.937X	+	12.402	0.907
X-CROTCH HEIGHT	74.50	4.03	0.878Y	+	2.322	1.70

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
GLUTEAL FURROW HEIGHT AND TIBIALE HEIGHT

TIBIALE HEIGHT

	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
GLUTEAL FURROW HEIGHT																		
87.25															1			1
85.25													1	2		3		8
83.25										2	1	7	2	3	4	2		11
81.25													8	8	2	3	4	35
79.25									3	11	17	27	25	19	8	1	1	112
77.25								1	20	39	55	45	21	12	4			198
75.25							6	21	53	73	68	41	14	3				279
73.25					1	6	27	63	91	91	56	30	5	2				372
71.25					5	26	58	88	97	53	23	5	1					356
69.25				1	17	46	76	89	48	12	6	1						296
67.25			3	7	28	38	33	32	14	4								159
65.25				9	17	17	7	6		2								58
63.25				1	4	3	5											13
61.25				2		1	1											4
59.25	1	1	1															3
TOTALS	1	1	7	21	72	139	207	300	326	287	226	156	77	49	21	10	5	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-GLUTEAL FURROW HGT	72.70	3.96	1.347X +	16.150	0.808
X-TIBIALE HEIGHT	41.98	2.38	0.485Y +	6.723	1.40

A BIVARIATE FREQUENCY TABLE FOR
GLUTEAL FURROW HEIGHT AND CROTCH HEIGHT

CROTCH HEIGHT

	61	63	65	67	69	71	73	75	77	79	81	83	85	87	TOT
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
GLUTEAL FURROW HEIGHT															
87.25														1	1
85.25												1	4	3	8
83.25											1	7	1	2	11
81.25									1	1	13	15	2	3	35
79.25								2	17	33	41	17	2		112
77.25							1	18	64	83	28	4			198
75.25						1	34	93	99	40	10	2			279
73.25					1	30	99	158	68	14	2				372
71.25				2	22	84	132	87	19	6					356
69.25			1	16	73	111	72	20	3						296
67.25			9	31	56	41	20	2							159
65.25		1	6	22	18	9	2								58
63.25			3	8	2										13
61.25		2	2												4
59.25	2	1													3
TOTALS	2	4	21	79	172	280	360	380	271	177	95	46	9	9	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-GLUTEAL FURROW HGT	72.70	3.96	0.869X +	7.957	0.884
X-CROTCH HEIGHT	74.50	4.03	0.899Y +	9.146	1.88

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
TIBIALE HEIGHT AND CROTCH HEIGHT

CROTCH HEIGHT

	61	63	65	67	69	71	73	75	77	79	81	83	85	87	TOT
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
49.75														2	5
48.75										1		5	2	2	10
47.75										3	8	3	2	5	21
46.75								2	3	11	16	15	2		49
45.75									2	19	23	20	10	3	77
44.75															156
43.75						5	23	56	75	53	13	1			226
42.75					2	12	57	110	71	26	9				287
41.75				3	10	47	99	110	42	12	3				326
40.75			1	6	39	83	108	52	10	1					300
39.75			1	14	43	75	51	21	2						207
38.75		1	4	24	47	42	16	4	1						139
37.75			0	18	29	14	3								72
36.75		1	4	13	1	2									21
35.75		2	3	1	1										7
34.75	1														1
33.75	1														1
TOTALS	2	4	21	79	172	280	360	380	271	177	95	46	9	9	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-TIBIALE HEIGHT	41.98	2.38	0.497X +	4.954	1.28
X-CROTCH HEIGHT	74.50	4.03	1.428Y +	14.553	2.17

A BIVARIATE FREQUENCY TABLE FOR
TIBIALE HEIGHT AND ANKLE HEIGHT

ANKLE HEIGHT

	7	8	8	9	9	10	10	11	11	12	12	13	13	14	14	15	15	16	TOT
	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	ALS
49.75								1		-1			1					1	5
48.75								1			1	2		2	2	1			10
47.75						1	1	1	3	2	1	5		3	1	3			21
46.75				1	1	3	1	5	7	9	6	8	1	3	2	1	1		49
45.75						4	5	11	8	16	11	10	3	5	3			1	77
44.75				3	5	17	14	20	14	22	17	21	6	9	4	1	2	1	156
43.75					2	8	29	18	38	16	28	23	42	7	13				226
42.75			1		7	18	42	39	49	34	34	23	29	2	8		2		287
41.75				9	23	66	38	49	44	44	24	18	6	5					326
40.75			2	3	16	17	57	37	51	33	40	20	19	1	3	1			300
39.75			1	2	22	23	40	28	29	16	30	6	6	3	1				207
38.75				4	13	21	39	15	20	17	3	4	1	2					139
37.75	1	1	1	8	9	16	10	12	9	3	2								72
36.75		2	1	7	3	4	2	1		1									21
35.75				3	1		2	1											7
34.75			1																1
33.75			1																1
TOTALS	1	6	14	91	129	318	211	289	201	233	138	161	29	51	15	9	5	4	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-TIBIALE HEIGHT	41.98	2.38	0.777X +	33.290	2.13
X-ANKLE HEIGHT	11.19	1.35	0.252Y +	0.607	1.21

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
TIBIALE HEIGHT AND LATERAL MALLEOLUS HEIGHT

TIBIALE HEIGHT	LATERAL MALLEOLUS HEIGHT								TOT ALS
	5	5	6	6	7	7	8	8	
	.00	.50	.00	.50	.00	.50	.00	.50	
49.75				1	1	2		1	5
48.75					3	5	2		10
47.75			1	4	5	3	6	2	21
46.75			1	7	18	15	8		49
45.75			4	14	27	21	8	3	77
44.75		2	12	30	63	30	17	2	156
43.75		4	25	44	99	35	16	3	226
42.75		1	35	73	111	53	13	1	287
41.75	4	7	39	91	129	43	10	3	326
40.75	2	7	56	92	115	22	5	1	300
39.75	3	6	55	74	54	11	3	1	207
38.75	4	12	31	47	35	8	2		139
37.75		4	25	21	19	3			72
36.75	1	2	5	5	7	1			21
35.75		1	2	3	1				7
34.75				1					1
33.75		1							1
TOTALS	14	47	291	507	687	252	90	17	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-TIBIALE HEIGHT	41.98	2.38	1.550X	+	31.483	2.20
X-LAT'L MALLEOLUS HT	6.77	0.59	0.095Y	+	2.786	0.54

A BIVARIATE FREQUENCY TABLE FOR
TIBIALE HEIGHT AND POPLITEAL HEIGHT

TIBIALE HEIGHT	POPLITEAL HEIGHT																TOT ALS
	33	34	35	36	37	38	39	40	41	42	43	44	45	46			
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75			
49.75																	5
48.75								1			2	1	3	3			10
47.75										4	7	5	4	1			21
46.75									5	7	15	16	4	2			49
45.75							1	2	15	21	18	14	5	1			77
44.75						1	4	15	49	37	33	13	4				156
43.75					1	4	13	48	75	60	22	1	1	1			226
42.75					1	1	34	88	95	54	12	2					287
41.75				1	4	15	67	113	84	34	7			1			326
40.75			1	4	12	31	80	115	47	8	2						300
39.75			1	3	25	44	64	48	19	2	1						207
38.75			5	9	17	33	26	35	13	1							139
37.75		2	2	5	19	14	16	12	2								72
36.75		1	3	6	2	3	2	3	1								21
35.75		1	2	2	2												7
34.75		1															1
33.75	1																1
TOTALS	1	5	14	30	83	146	307	480	405	228	116	56	23	11			1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-TIBIALE HEIGHT	41.98	2.38	0.941X	+	3.357	1.61
X-POPLITEAL HEIGHT	41.05	1.86	0.577Y	+	16.824	1.26

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
CROTCH HEIGHT AND SITTING HEIGHT

		SITTING HEIGHT																							TOT
		75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	ALS	
		.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75		
CROTCH HEIGHT	87.25												1	1	1			1	2					9	
	85.25								1		1	1							2	2				9	
	83.25							1	2	2	7	6	4	8	6	3	4	2	3	2	2			46	
	81.25					2	1	1	4	3	7	6	10	15	14	16	5	8	1	1		1		95	
	79.25				1	1	4	11	1	4	19	18	26	23	23	22	12	5	3	3	1			177	
	77.25			3				4	19	19	32	35	38	37	25	27	9	12	6		1			271	
	75.25					3	11	16	32	43	51	61	46	40	37	18	12	7	2	1				380	
	73.25	1		3	4	9	8	30	33	45	54	44	43	39	20	15	8	3	1					360	
	71.25		1		6	12	14	35	41	35	43	30	21	15	12	10	2		3					280	
	69.25			4	6	8	13	23	24	24	29	9	15	12	3		1		1					172	
	67.25	1	1		3	6	10	13	4	14	8	10	5	2	1	1								79	
	65.25	1				5		4	3		3	1		1										21	
	63.25				1			1	1	1														4	
	61.25					1					1													2	
TOTALS		3	1	11	21	47	68	139	165	190	249	221	209	193	142	114	53	40	24	9	5	0	1	1905	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R	
Y-CROTCH HEIGHT	74.50	4.03	0.594X	+	23.658	3.56	0.467
X-SITTING HEIGHT	85.60	3.17	0.367Y	+	58.257	2.80	

A BIVARIATE FREQUENCY TABLE FOR
SITTING HEIGHT, RELAXED AND SITTING HEIGHT

		SITTING HEIGHT																								TOT
		75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	ALS		
		.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	1		
SITTING HEIGHT, RELAXED	95.75																						1	1		
	94.75																							1		
	93.75																							4		
	92.75																							10		
	91.75																							16		
	90.75																							32		
	89.75																							52		
	88.75																							99		
	87.75																							126		
	86.75																							198		
	85.75																							203		
	84.75																							216		
	83.75																							216		
	82.75																							215		
	81.75																							166		
	80.75																							146		
	79.75																							82		
	78.75																							62		
	77.75																							36		
	76.75																							17		
	75.75																							3		
	74.75																							3		
	73.75																							1		
TOTALS		3	1	11	21	47	68	139	165	190	249	221	209	193	142	114	53	40	24	9	5	0	1	1905		

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R	
Y-SITTING HT,RELAXED	84.28	3.25	0.993X	-	0.723	0.81	0.968
X-SITTING HEIGHT	85.60	3.17	0.943Y	+	6.126	0.79	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
SITTING HEIGHT AND EYE HEIGHT, SITTING

EYE HEIGHT, SITTING

	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
SITTING HEIGHT																					
96.75																				1	1
95.75																					0
94.75																					5
93.75																			3	2	9
92.75																					24
91.75																					40
90.75																					53
89.75																					114
88.75																					142
87.75																					193
86.75																					209
85.75																					221
84.75																					249
83.75																					199
82.75																					165
81.75																					139
80.75																					68
79.75																					47
78.75																					21
77.75																					11
76.75																					1
75.75																					3
TOTALS	1	3	7	16	42	66	97	165	222	237	245	216	192	156	101	70	34	16	13	6	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-SITTING HEIGHT	85.60	3.17	0.961X + 14.773	1.18	0.928
X-EYE HEIGHT, SITTING	73.70	3.06	0.895Y - 2.907	1.14	

A BIVARIATE FREQUENCY TABLE FOR
SITTING HEIGHT AND MIDSHOULDER HEIGHT, SITTING

MIDSHOULDER HEIGHT, SITTING

	59	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
SITTING HEIGHT																		
96.75																		1
95.75																		0
94.75																		5
93.75																		9
92.75																		24
91.75																		40
90.75																		53
89.75																		114
88.75																		142
87.75																		193
86.75																		209
85.75																		221
84.75																		249
83.75																		199
82.75																		165
81.75																		139
80.75																		68
79.75																		47
78.75																		21
77.75																		11
76.75																		1
75.75																		3
TOTALS	3	14	45	90	135	208	266	300	233	242	147	110	57	35	14	3	3	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-SITTING HEIGHT	85.60	3.17	1.050X + 24.702	1.50	0.881
X-MIDSHOULDER HT, SIT	58.00	2.66	0.739Y - 5.261	1.26	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
SITTING HEIGHT AND WAIST HEIGHT, SITTING

WAIST HEIGHT, SITTING

	18	18	19	19	20	20	21	21	22	22	23	23	24	24	25	25	26	26	27	27	28	28	29	TOT
	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	ALS
96.75																		1						1
95.75																								0
94.75											1								2	1				5
93.75												1							1					9
92.75										2	2	1	3	1	1	3	2	4	1		3		1	24
91.75										1	2	2	5	5	7	3	5	2	2	3	2			40
90.75										2	3	3	5	9	7	9	3	6	4	1				53
89.75						1				6	6	7	12	16	25	13	14	2	4	2	4	1	1	114
88.75										4	6	13	16	14	21	28	14	8	3	3	3			142
87.75			1			2	1	2	5	13	17	11	28	26	25	26	11	14	5	4	3			193
86.75						1	1	5	10	13	17	26	22	31	29	21	15	14	1	3				209
85.75					1	3	2	7	7	24	25	29	31	31	22	19	8	7	2	2	1			221
84.75						2	9	11	25	35	21	31	34	24	21	15	9	5	2	4				249
83.75		1	1	2	6	6	13	15	24	26	25	25	25	10	6	1	3	1						190
82.75			1		8	11	14	19	25	13	20	16	17	14	3	1	3							165
81.75			1	3	7	5	9	20	19	18	19	17	13	3	3	1		1						139
80.75			2	2	5	5	3	10	7	8	6	6	1	3	1	1				1				68
79.75	1	1	2	1	3	4	10	10	6	5	3													47
78.75	2	1			2	2	3	2	4	2	1	2												21
77.75					1	1	2	2	2	1	1		1											11
76.75											1													1
75.75			1				1			1														3
TOTALS	3	6	12	12	42	51	86	128	179	171	200	215	212	189	150	95	66	34	28	17	6	0	3	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-SITTING HEIGHT	85.60	3.17	1.017X +	61.835	2.63
X-WAIST HGHT, SITTING	23.37	1.73	0.304Y -	2.655	1.44

A BIVARIATE FREQUENCY TABLE FOR
SITTING HEIGHT AND ELBOW REST HEIGHT

ELBOW REST HEIGHT

	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
96.75															1		1
95.75																	0
94.75										1		1	1		1	1	5
93.75											3		3	1			9
92.75									2	3	2	4	7	2	1	4	24
91.75									1	2	8	9	4	5	5		40
90.75							3	1	2	6	5	12	10	11	2	3	53
89.75							3	13	17	27	15	16	9	4	7		114
88.75					2		6	5	14	21	33	21	20	4	10	6	142
87.75				2	2	7	17	27	30	36	25	26	12	8	1		193
86.75			1		1	11	16	31	50	36	34	16	7	1	3		209
85.75					1	10	23	21	43	35	41	26	14	5	2		221
84.75	1				3	16	24	38	36	47	31	21	20	8	4		249
83.75					1	13	20	33	35	36	29	15	5	2	1		190
82.75				2	5	12	30	25	29	19	13	2	2	1			165
81.75		1	1	8	13	25	29	27	14	11	8	1	1				139
80.75			2	4	12	16	9	11	4	7	3						68
79.75		1	2	6	4	9	11	6	5	1	1	1					47
78.75		1	2	3	3	4	4	2	1		1						21
77.75			1		4	3	1	1		1							11
76.75								1									1
75.75	1				1		1										3
TOTALS	2	4	12	33	93	182	215	283	295	286	211	143	72	40	31	3	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-SITTING HEIGHT	85.60	3.17	0.702X +	69.660	2.66
X-ELBOW REST HEIGHT	22.71	2.46	0.424Y -	13.588	2.06

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
EYE HEIGHT, SITTING AND MIDSHOULDER HEIGHT, SITTING

MIDSHOULDER HEIGHT, SITTING

	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
82.75															2		2	6
81.75											1	1	3	6	1	1		13
80.75											1	1	9	2	2		1	16
79.75										2	6	9	3	10	2	2		34
78.75									2	10	13	23	10	6	6			70
77.75							1	1	7	23	20	25	17	6	1			101
76.75						1	3	13	24	47	34	20	12	2				156
75.75					1	6	22	52	50	46	22	5	1	1				192
74.75				2	7	23	46	69	40	41	12	5						216
73.75			2	3	16	37	62	57	38	18	3	2						245
72.75			1	3	16	37	62	57	38	18	3	2						237
71.75			2	9	35	62	50	45	15	3	1							222
70.75			8	11	31	38	49	18	8	2								165
69.75		1	9	21	18	25	14	8	1									97
68.75	1	2	5	23	17	11	7											66
67.75	1	6	9	13	8	1	3	1										42
66.75		4	7	4														16
65.75			4	2			1											7
64.75	1	1		1														3
63.75				1														1
TOTALS	3	14	45	90	135	208	266	300	233	242	147	110	57	35	14	3	3	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-EYE HEIGHT, SITTING	73.70	3.06	0.964X +	17.795	1.67
X-MIDSHOULDER HT, SIT	58.00	2.66	0.728Y +	4.341	1.45

A BIVARIATE FREQUENCY TABLE FOR
EYE HEIGHT, SITTING AND WAIST HEIGHT, SITTING

WAIST HEIGHT, SITTING

	18	18	19	19	20	20	21	21	22	22	23	23	24	24	25	25	26	26	27	27	28	28	29	TOT
	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	ALS
82.75											1	1		1			2	1						6
81.75											1	1			2	4	2	1	1	1				13
80.75					1					2	1	3	1	3	1	1	2	2	1	1				16
79.75										1	3	2	3	4	1	5	3	2	3	4	3			34
78.75					1				1	1	1	1	13	9	13	13	4	6	4	1		2		70
77.75					1			1	7	4	7	7	9	16	18	14	4	8	2	2	1			101
76.75			1		1	1	2	4	2	4	11	26	19	27	22	9	18	1	3	4		1		156
75.75				1	1	2	4	9	16	18	30	27	27	23	16	10	2	5	2					192
74.75					1	8	8	21	24	20	26	28	29	23	15	7	4	1	1					216
73.75			1		5	4	3	12	23	24	36	29	41	29	18	6	8	4	2					245
72.75			1	1	6	4	11	19	30	27	30	31	26	18	17	6	3	1	3					237
71.75		1		7	10	12	26	30	23	30	27	21	16	8	5	5		1						222
70.75			1	7	12	18	18	29	18	16	18	14	6	3	2	1	1		1					165
69.75			3	4	1	5	10	13	15	15	12	11	6	2										97
68.75	1	3	3	5	7	2	9	8	6	7	8	3	3	1										66
67.75	2	1	1		3	5	6	12	4		4	1	1	1	1									42
66.75					2	4	3	2	1	4														16
65.75					1	1	1	1		1	2													7
64.75			1																					3
63.75												1												1
TOTALS	3	6	12	12	42	51	86	128	179	171	200	215	212	189	150	95	66	34	28	17	6	0	3	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-EYE HEIGHT, SITTING	73.70	3.06	1.004X +	50.243	2.51
X-WAIST HGHT, SITTING	23.37	1.73	0.323Y -	0.439	1.43

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
EYE HEIGHT, SITTING AND ELBOW REST HEIGHT

		ELBOW REST HEIGHT																		TOT
		14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	ALS		
		.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75		
EYE HEIGHT, SITTING	82.75										1	1	1	2		1			6	
	81.75									1		4	1	1	1	3	2		13	
	80.75								1	1	2	5	1	2	1	2	1		16	
	79.75							1	2		5	8	7	4	2	5			34	
	78.75							1	6	10	11	6	14	9	6	7			70	
	77.75					1	1	1	11	15	21	17	18	11	3	2			101	
	76.75						10	10	11	27	29	21	19	9	12	8			156	
	75.75			1		1	10	7	29	30	41	35	21	12	5				192	
	74.75				1	7	9	22	32	45	34	31	21	7	4	3			216	
	73.75			2	1	6	21	32	47	49	37	24	18	7	1				245	
	72.75		1	2	16	24	30	36	48	44	20	10	3	3					237	
	71.75	1			6	13	24	41	40	33	33	20	8	2	1				222	
	70.75			1	3	15	36	29	30	23	13	10	2	2	1				165	
	69.75				10	9	21	19	17	5	9	5	1	1					97	
	68.75			1	3	12	14	10	14	6	4	2							66	
	67.75		1	6	3	4	8	10	5	2	1	2							42	
	66.75		2		4	6	2		1				1						16	
65.75		1			2	2	1	1					1					7		
64.75	1				1		1											3		
63.75										1								1		
TOTALS		2	4	12	33	93	182	215	283	295	286	211	143	72	40	31	3	1905		

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-EYE HEIGHT, SITTING	73.70	3.06	0.693X	+	57.969	0.558
X-ELBOW REST HEIGHT	22.71	2.46	0.449Y	-	10.387	2.04

A BIVARIATE FREQUENCY TABLE FOR
MIDSHOULDER HEIGHT, SITTING AND WAIST HEIGHT, SITTING

		WAIST HEIGHT, SITTING																		TOT
		18	18	19	19	20	20	21	21	22	22	23	23	24	24	25	25	26	26	27
		.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	ALS
MIDSHOULDER HEIGHT, SITTING	66.75																			3
	65.75																			3
	64.75					1														14
	63.75							1				2	1							35
	62.75						1			1		2	4	6	11	7	8	6	5	57
	61.75					1	1		2	3	3	8	10	10	21	15	15	3	5	110
	60.75			1		1	1	3	3	15	7	17	23	20	25	11	14	2	1	147
	59.75				1	2	2	7	6	16	11	25	26	30	32	22	18	5	4	242
	58.75					4	5	14	17	27	19	32	31	32	22	15	7	6	1	233
	57.75					4	5	12	15	29	27	45	43	30	24	7	8	2	3	300
	56.75		1		1	10	10	12	22	37	29	35	32	30	21	14	6	2	1	266
	55.75			4	2	7	8	16	19	33	28	25	25	18	11	5	2	3	1	208
	54.75		3	2	2	4	4	11	20	20	18	17	17	12	5					135
	53.75	1		2	5	8	9	9	14	13	6	10	7	5		1				90
	52.75		1	1		4	4	10	9	5	5	3	1	1		1				45
	51.75	2				1	2	3	2	3	1									14
	50.75			1	1				1											3
TOTALS		3	6	12	12	42	51	86	128	179	171	200	215	212	189	150	95	66	34	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-MIDSHOULDER HT, SIT	58.00	2.66	0.855X	+	38.018	0.557
X-WAIST HGHT, SITTING	23.37	1.73	0.364Y	+	2.257	1.44

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
MIDSHOULDER HEIGHT, SITTING AND ELBOW REST HEIGHT

		ELBOW REST HEIGHT																	TOT ALS
		14 .75	15 .75	16 .75	17 .75	18 .75	19 .75	20 .75	21 .75	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75		
MIDSHOULDER HEIGHT, SITTING	66.75												1		2		3		
	65.75												2		1		3		
	64.75									2	2	2	2	3	3		14		
	63.75							4		1	5	4	8	5	7	1	35		
	62.75						1	1	3	2	10	12	14	4	2	6	2	57	
	61.75						2	2	4	16	16	23	23	13	7	4		110	
	60.75					1	4	3	9	15	36	26	26	15	9	3		147	
	59.75				1		6	12	36	39	53	41	31	15	6	2		242	
	58.75			1		4	8	29	41	41	46	32	19	4	5	3		233	
	57.75			2		9	25	34	50	77	43	39	14	5	2			300	
	56.75			1	2	17	31	40	65	45	35	21	6	2	1			266	
	55.75			1	4	20	40	42	29	34	29	5	3	1				208	
	54.75	1		2	7	18	28	23	25	17	9	4	1					135	
	53.75		1	1	10	10	25	16	14	7	5	1						90	
	52.75		2	2	5	11	9	12	2	1	1							45	
51.75		1	1	3	3	3	1	1	1								14		
50.75	1		1	1													3		
TOTALS		2	4	12	33	93	182	215	283	295	286	211	143	72	40	31	3	1905	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-MIDSHOULDER HT,SIT	58.00	2.66	0.697X + 42.171	2.03	0.646
X-ELBOW REST HEIGHT	22.71	2.46	0.598Y - 11.976	1.88	

A BIVARIATE FREQUENCY TABLE FOR
MIDSHOULDER HEIGHT, SITTING AND VERTICAL TRUNK CIRCUMFERENCE, SITTING

VERTICAL TRUNK CIRCUMFERENCE, SITTING																					
MIDSHOULDER HEIGHT, SITTING	133	135	137	139	141	143	145	147	149	151	153	155	157	159	161	163	165	167	169	171	TOT
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
66.75																			2	1	3
65.75																	1		1		3
64.75																					3
63.75																					14
62.75											1	1	2	2			2	2	3		35
61.75								1	2	5	3	5	15	10	17	9	1	1	2		57
60.75								5	15	18	31	20	22	28	11	6	2	3	1		110
59.75					1	7	7	22	34	58	47	34	25	16	8	3	2	1			147
58.75					2	5	3	24	42	52	49	37	8	8	2	1			1		242
57.75			1	1	6	22	39	43	63	60	40	17	4	3		1					233
56.75			1	7	17	46	44	46	47	33	17	4	3		1						300
55.75	2	1	4	7	28	36	38	40	29	15	4	2	2								266
54.75			5	19	18	32	31	11	14	3	1	1									208
53.75		3	10	19	23	16	8	7	3	1											135
52.75	3	4	10	12	6	5	3	2													90
51.75	2	2	7	2	1																45
50.75		1	2																		14
TOTALS	7	11	40	67	101	163	174	186	237	225	213	157	121	87	59	31	16	7	10	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-MIDSHOULDER HT,SIT	58.00	2.66	0.331X + 8.326	1.53	0.818
X-VERTICAL TRK C,SIT	150.07	6.56	2.017Y + 33.085	3.77	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
MIDSHOULDER HEIGHT, SITTING AND WAIST BACK

	WAIST BACK																TOT ALS
	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	44 .75	45 .75	46 .75	47 .75		
MIDSHOULDER HEIGHT, SITTING																	
66.75										1	2						3
65.75									1						1		3
64.75									3	8	11	4	5	1			14
63.75									3	7	14	14	6	8			35
62.75							1	6	7	14	14	6	8		1		57
61.75					1	4		6	18	18	22	25	8	2			110
60.75				1		5	12	38	26	25	20	11	6	2	1		147
59.75				2	2	6	17	35	54	46	46	23	10	3			242
58.75			2	3	14	27	39	58	48	30	8	3	1				233
57.75	1	1	1	7	19	49	63	66	55	26	10	2					300
56.75	1	2	2	9	39	42	62	63	31	7	6		2				266
55.75		2	6	22	25	45	50	40	9	8	1						208
54.75		3	2	19	29	33	24	12	11	1		1					135
53.75	1	2	5	8	33	19	12	7	3								90
52.75	1	1	5	12	14	4	7	1									45
51.75	1	1	3	2	2	2	3										14
50.75				2	1												3
TOTALS	5	12	26	87	183	247	314	368	263	193	118	50	31	6	2	1905	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-MIDSHOULDER HT, SIT	58.00	2.66	0.771X +	26.764	2.04	0.643
X-WAIST BACK	40.51	2.22	0.536Y +	9.424	1.70	

A BIVARIATE FREQUENCY TABLE FOR
WAIST HEIGHT, SITTING AND ELBOW REST HEIGHT

	ELBOW REST HEIGHT																TOT ALS
	14 .75	15 .75	16 .75	17 .75	18 .75	19 .75	20 .75	21 .75	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	
WAIST HEIGHT, SITTING																	
29.00									1			1					3
28.50											1						0
28.00								2	1					1	1		6
27.50						3			2			5	3		2	1	17
27.00					1				5	7	2	8	2	1	2		28
26.50						1	2		4	4	10	5	2	2	4		34
26.00					2	3	2	5	13	7	10	10	5	5	4		66
25.50					1	3	6	9	11	19	12	20	4	6	4	1	95
25.00						8	11	21	21	29	25	15	8	10	1	1	150
24.50				1	5	10	18	25	25	40	32	12	11	5	5		189
24.00			2		5	21	24	25	37	37	20	22	12	2	5		212
23.50				4	8	14	25	34	44	40	22	14	8	2			215
23.00				1	11	18	20	40	35	29	27	14	2	2	1		200
22.50	1			5	9	23	17	28	30	30	11	8	7		2		171
22.00				2	5	13	22	36	31	34	21	9	3	3			179
21.50				4	6	9	19	21	25	13	10	16	3	1	1		128
21.00			2	4	8	14	11	19	10	5	8	2	2	1			86
20.50				3	9	9	11	9	3	2	3	1	1	1			51
20.00		4	1	1	7	7	6	7	3	3	1		1	1			42
19.50				2	1	3	1	1	2	1	1						12
19.00	1				3	1	3	2	1					1			12
18.50			1		1	3	1										6
18.00				1				1	1								3
TOTALS	2	4	12	33	93	182	215	283	295	286	211	143	72	40	31	3	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-WAIST HGHT, SITTING	23.37	1.73	0.300X +	16.556	1.57	0.426
X-ELBOW REST HEIGHT	22.71	2.46	0.605Y +	8.569	2.23	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
 WAIST HEIGHT, SITTING AND BUTTOCK CIRCUMFERENCE, SITTING

BUTTOCK CIRCUMFERENCE, SITTING

	85	87	89	91	93	95	97	99	101	103	105	107	109	111	113	115	117	119	121	123	125	127	129	TOT
WAIST HEIGHT, SITTING	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
29.00										1			1				1							3
28.50											1			2	1									0
28.00												1	3				1							6
27.50							2	2	2	4	1	4	1						1					17
27.00					1		1	3	2	8	1	3	2		2	2	1	1		1				28
26.50						1	4	5	10	4	3	1	2		1	2	1	1						34
26.00				1	1	1	11	5	8	7	8	7	7		3	3	1	3					1	66
25.50				2			1	13	12	13	14	17	11	4	2	4	1	1						95
25.00	1		1	3	5	11	18	26	18	24	13	11	5	5	2	3	3			1				150
24.50			3		13	13	16	34	26	22	20	11	14	9	3	1	1	2	1					189
24.00		3	1	5	13	29	30	27	30	26	21	11	6	6	2	1				1				212
23.50	1	3	6	10	16	34	20	52	22	16	12	12	5	2	3	1								215
23.00	1	4	3	10	19	22	23	32	25	28	15	7	6	3	1						1			200
22.50			4	11	12	26	33	27	20	8	8	9	4	3	2		1	2	1					171
22.00		2	9	15	21	36	25	21	16	13	11	5	2	2			1							179
21.50	1	1	8	12	10	20	24	21	15	6	5	2		2						1				128
21.00	1	2	4	9	13	9	13	7	7	4	4													86
20.50	1	2	3	2	6	10	4	8	5	6	2	1	1											51
20.00	1	1	1	5	3	6	6	7	3	5	1	2					1							42
19.50			2	1	3	1	2		1	1		1												12
19.00	1	1	1	2	1	1	3		1				1											12
18.50				3		2				1														6
18.00					2		1																	3
TOTALS	8	19	46	91	139	223	249	295	224	202	142	102	62	38	21	14	12	9	3	4	1	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WAIST HGHT, SITTING	23.37	1.73	0.109X + 12.468	1.60	0.381
X-BUTTOCK CIRC, SIT	100.00	6.09	1.338Y + 68.731	5.63	

A BIVARIATE FREQUENCY TABLE FOR
 BUTTOCK-POPLITEAL LENGTH AND BUTTOCK-KNEE LENGTH

BUTTOCK-KNEE LENGTH

	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	TOT
BUTTOCK-POPLITEAL LENGTH	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
58.75																		1		1
57.75																				0
56.75																	1			1
55.75															3	3	1			7
54.75												1		4	7	10	2		1	25
53.75												1	6	6	8	6	1			28
52.75											1	5	13	18	9	1				47
51.75											8	22	21	22	5	4	1			83
50.75									1	10	39	36	24	23	3					136
49.75							2	10	31	51	63	37	11	2						207
48.75						2	3	46	59	59	32	17	3	1						222
47.75					2	8	30	90	72	39	19	5	2	1						268
46.75				1	1	7	34	60	70	52	18	12								255
45.75					2	26	52	73	58	23	6	3								243
44.75			1	5	13	50	52	52	27	9	2	1								212
43.75				7	17	33	20	12	8	2										96
42.75			4	7	11	15	8	2	2											49
41.75			3	4	4	4		2												17
40.75					1	1	2													4
39.75		2				1														3
38.75				1																1
TOTALS	2	1	9	24	50	136	176	236	312	258	223	195	123	89	39	25	5	1	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-BUTTOCK-POPLIT'L L	47.71	2.76	0.906X - 4.319	1.38	0.865
X-BUTTOCK-KNEE LNTH	57.43	2.63	0.826Y + 18.019	1.32	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
ACROMION-RADIALE LENGTH AND RADIALE-STYLION LENGTH

RADIALE-STYLION LENGTH

	19	19	20	20	21	21	22	22	23	23	24	24	25	25	26	26	27	27	28	TOT
	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	ALS
ACROMION-RADIALE LENGTH																				
36.50																	1			1
36.00													1	1	1	2		1		6
35.50										1	1				1	1	3			7
35.00															1	2	2			5
34.50									1	1	3	3	3	3		2	1		1	18
34.00									2	8	5	9	5	4	2	5				40
33.50								1	4	11	16	16	11	9	8	2	2	1		81
33.00						1	1	12	10	19	20	9	13	8	4	3				101
32.50					1	4	10	17	41	31	35	20	15	7	6	2	2			191
32.00				1	3	4	12	18	16	26	30	30	12	13	4	3		1		173
31.50				1	1	9	18	23	32	49	37	26	11	6	8	2	1			224
31.00				1	2	3	19	28	44	44	33	24	9	7	1					215
30.50			1	1	4	16	17	53	31	51	32	21	10	2	1					240
30.00			6	10	21	23	31	37	25	19	10	6	2	1						191
29.50			2	9	16	20	30	31	17	12	4	2		1						144
29.00			3	6	5	10	23	21	12	7	4	1								96
28.50	1		3	5	10	18	16	12	8	7	6	1								87
28.00		1		8	2	11	9	8	5	3		1	1							49
27.50		1		2	4	3	7	2	2											21
27.00		1	1		1		1													4
26.50					2		2													4
26.00			3		1		1													5
25.50			1	1																2
TOTALS	1	3	12	34	54	113	173	238	252	295	251	200	105	78	47	28	15	5	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-ACROMION-RADIALE L	31.01	1.63	0.745X +	13.583	1.27
X-RADIALE-STYLION L	23.39	1.37	0.528Y +	7.016	1.07

A BIVARIATE FREQUENCY TABLE FOR
ACROMION-RADIALE LENGTH AND THUMB-TIP REACH, EXTENDED

THUMB-TIP REACH, EXTENDED

	71	73	75	77	79	81	83	85	87	89	91	93	95	97	99	TOT
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
ACROMION-RADIALE LENGTH																
36.50											1					1
36.00									1		2	1	1		1	6
35.50							1		3		1	1	1			7
35.00							1				3	1				5
34.50							2	1	4	4	2	2	3			18
34.00						2	1	9	8	9	5	2	2	2		40
33.50							5	12	19	15	12	5	7	6		81
33.00					2	8	16	23	23	8	15	3	3			101
32.50				2	2	21	32	34	36	28	18	9	4	5		191
32.00		1	2	4	13	19	35	35	27	12	9	13	3			173
31.50			2	9	25	31	40	44	32	19	13	8		2		224
31.00			3	9	22	33	46	40	35	16	7	3	1			215
30.50		1	8	21	35	47	48	35	23	10	6	4	2			240
30.00		2	11	26	30	40	28	27	13	7	7					191
29.50		5	3	21	37	26	27	13	6	3	2	1				144
29.00		7	6	15	22	23	8	6	6		3					96
28.50	2	4	14	15	13	13	14	10	2							87
28.00	1	3	11	8	13	5	6	1	1							49
27.50	1	6	1	4	3	4		1	1							21
27.00			2		2											4
26.50				1	1			1	1							4
26.00		2	2	1												5
25.50		1	1													2
TOTALS	4	32	66	136	220	272	310	292	241	130	106	53	27	15	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-ACROMION-RADIALE L	31.01	1.63	0.195X +	14.658	1.32
X-THUMB-TIP, EXTENDED	83.83	4.88	1.755Y +	29.418	3.96

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
ACROMION-RADIALE LENGTH AND OVERHEAD REACH

OVERHEAD REACH

	175	178	181	184	187	190	193	196	199	202	205	208	211	214	217	220	223	226	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
ACROMION-RADIALE LENGTH																			
36.53														1					1
36.03													2	3					6
35.53												2	2						7
35.03												1	1	1					5
34.53											2	5	2	4	2				18
34.03									1	5	8	7	8	5	5				40
33.53								2	6	10	7	17	23	9	6				81
33.03						1	2	7	9	13	19	20	16	10	3				101
32.53					1	1	4	14	24	40	44	29	21	8	2	2	1		191
32.03				3	4	2	12	22	28	43	13	18	22	7	2				173
31.53			2	3	5	12	23	35	34	41	33	25	6	4	1				224
31.03				3	12	13	29	40	34	40	18	17	7	2					215
30.53			3	7	13	25	35	52	42	38	12	8	4						240
30.03		2	3	5	12	34	38	40	26	19	7	4	1				1		191
29.53			2	15	19	22	37	25	17	5	2								144
29.03			3	16	20	13	15	12	7	5	2	2							96
28.53	1		2	12	17	18	13	13	7	1	3	1							87
28.03	1	1	5	7	12	12	6	4	1										49
27.53		1	2	8	2	4	2	1	1										21
27.03	1	1		1		1													4
26.53			1	1	1	1													4
26.03	1			2	2														5
25.53		1	1																2
TOTALS	4	8	34	85	121	154	216	261	231	262	168	155	113	56	21	7	7	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-ACROMION-RADIALE L	31.01	1.63	0.137X +	3.712	1.12
X-OVERHEAD REACH	199.23	8.56	3.807Y +	81.186	5.91

A BIVARIATE FREQUENCY TABLE FOR
ACROMION-RADIALE LENGTH AND SLEEVE INSEAM

SLEEVE INSEAM

	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
ACROMION-RADIALE LENGTH																			
36.53																			1
36.03														3	1	1			6
35.53											5	1	1						7
35.03											2	1		1					5
34.53								2	1	4	3	4	1	2			1		18
34.03							1	7	5	10	3	8	5			1			40
33.53							2	13	9	27	12	14	2	1			1		81
33.03						1	3	10	12	24	14	27	9	1					101
32.53					2	1	9	22	42	36	40	19	12	8					191
32.03			1		2	9	10	31	42	41	19	14	4						173
31.53				1	5	14	38	45	52	39	20	5	3	1	1				224
31.03					13	18	40	56	36	32	16	3	1						215
30.53				2	16	31	56	61	42	24	8								240
30.03			1	11	20	38	29	47	25	16	2	2							191
29.53		1	3	7	22	33	26	40	8	2	1	1							144
29.03		1	2	7	20	22	15	19	9	1									96
28.53			6	11	26	20	12	7	4	1									87
28.03	1	2	4	10	10	10	7	4	1										49
27.53			4	4	8	2	2	1											21
27.03	1		2	1															4
26.53		2	1	1															4
26.03	2		1	1	1														5
25.53		1	1																2
TOTALS	4	7	26	56	145	199	247	346	295	230	162	96	57	22	7	2	3	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-ACROMION-RADIALE L	31.01	1.63	0.492X +	9.295	1.11
X-SLEEVE INSEAM	44.13	2.42	1.085Y +	10.486	1.65

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
ACROMION-RADIALE LENGTH AND SPINE-TO-ELBOW LENGTH (SLEEVE LENGTH SEGMENT)

SPINE-TO-ELBOW LENGTH (SLEEVE LENGTH SEGMENT)

	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
ACROMION-RADIALE LENGTH																				
36.50																1				1
36.00											1				1	3				6
35.50											1	1	1		1	1				7
35.00												1	1	1		1				5
34.50										1	1	1	2	5	4	1	2	1		18
34.00								1	1	2	7	8	7	10	3	1				40
33.50				1					3	7	11	16	25	10	3	4				81
33.00							1	7	8	22	17	18	17	7	4			1		101
32.50								9	16	38	41	43	34	5	2	2	1			191
32.00							1	4	11	27	42	34	31	13	8	1				173
31.50							3	15	38	50	41	39	28	5	3	2				224
31.00								5	12	37	45	47	38	14	10					215
30.50				1	1	11	27	61	50	53	27	7	2							240
30.00				3	5	25	34	36	38	30	16	4								191
29.50			1	3	6	19	36	24	27	18	8	1	1							144
29.00			1	2	4	14	22	24	14	11	2	2								96
28.50			1	1	9	27	14	16	12	6	1									87
28.00				4	5	15	12	9	2	2										49
27.50			2	3	5	2	4	1	4											21
27.00					1	1	1													4
26.50		1			1	2	1													4
26.00	1		1		2		1													5
25.50					1	1														2
TOTALS	1	1	6	18	47	125	183	274	297	321	244	175	118	52	21	14	3	3	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-ACROMION-RADIALE L	31.01	1.63	0.482X +	5.307	1.14
X-SPINE-TO-ELBOW LTH	53.32	2.41	1.056Y +	20.575	1.69
					0.713

A BIVARIATE FREQUENCY TABLE FOR
ACROMION-RADIALE LENGTH AND SPINE-TO-WRIST LENGTH (SLEEVE LENGTH SEGMENT)

SPINE-TO-WRIST LENGTH (SLEEVE LENGTH SEGMENT)

	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
ACROMION-RADIALE LENGTH																									
36.50																	1								1
36.00																	1	1				3	1		6
35.50																	1	1	1		1	1		1	7
35.00																		1	1	1				1	5
34.50													1	1	1	2	1	4	2	3		2		1	18
34.00												1	1	2	4	7	6	3	8	7	1				40
33.50									1			4	4	9	12	18	14	4	8	4			3		81
33.00										3	9	8	16	14	17	14	12	6	1	1					101
32.50										4	9	17	36	44	30	25	15	7	1	2			1		191
32.00						1	1	3	8	22	30	29	31	25	14	6	3								173
31.50						2	6	17	26	39	37	29	32	22	6	4	4								224
31.00							3	11	15	25	39	46	33	20	12	6	1	2							215
30.50						1	3	7	12	35	42	45	46	27	15	4	2		1						240
30.00					1	5	3	18	22	29	34	25	29	16	5	2	2								191
29.50					3	10	22	20	24	27	15	11	8	1	2				1						144
29.00				2	2	9	13	12	21	16	8	9	4												96
28.50				1	6	16	12	13	13	14	5	6	1												87
28.00				4	4	10	5	10	12	2		2													49
27.50				2	1	7	2	2	4	1	2														21
27.00			1			1	2																		4
26.50						2	2																		4
26.00	1		1		1		1	1																	5
25.50					2																				2
TOTALS	1	0	2	2	10	33	58	86	109	174	202	219	246	206	176	135	97	58	40	22	12	7	7	3	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-ACROMION-RADIALE L	31.01	1.63	0.376X +	1.082	1.04
X-SPINE-TO-WRIST LTH	79.58	3.32	1.568Y +	30.967	2.13
					0.768

A BIVARIATE FREQUENCY TABLE FOR
RADIALE-STYLICN LENGTH AND THUMB-TIP REACH

	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
28.00																										1
27.50																		2		1				1		5
27.00													1	2	1	1	1	4	1	3	1					15
26.50											1		3	6			2	2	3	2						28
26.00									1	1		2	2	4	8	7	7	5	2	3	4	1	2	1	1	47
25.50									1	1	2	4	6	7	10	8	12	18	3	3	2					78
25.00									3	3	7	6	18	12	11	16	5	7	7	4	3			1		105
24.50						1		6	7	7	12	22	27</													

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-RADIALE-STYLION L	23.39	1.37	0.218X + 7.226	1.08	0.617
X-THUMB-TIP REACH	76.13	3.88	1.747Y + 33.275	3.05	

THUMR-TIP REACH, EXTENDED															TOT	
	71	73	75	77	79	81	83	85	87	89	91	93	95	97	99	ALS
28.00	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	1
27.50									1	1		1			1	5
27.00							1	2	3	3	4	1		1		15
26.50							2	4	7	3	6	2	4			28
26.00						3	3	12	10	4	4	4	4	3		47
25.50			1		1	1	8	19	19	10	13	3	1	2		78
25.00			1	1	3	10	15	18	22	13	10	6	4	2		105
24.50			1	4	8	17	33	39	33	25	19	9	7	5		200
24.00			2	6	17	35	35	48	43	24	23	13	3	2		251
23.50			3	12	37	42	58	57	52	13	14	7				295
23.00																

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-RADIALE-STYLION L	23.39	1.37	$0.162X + 9.806$	1.12	0.576
X-THUMB-TIP, EXTENDED	83.83	4.88	$2.054Y + 35.797$	3.99	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
RADIALE-STYLION LENGTH AND OVERHEAD REACH

OVERHEAD REACH																			
	175	178	181	184	187	190	193	196	199	202	205	208	211	214	217	220	223	226	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
RADIALE-STYLION LENGTH	28.00																1		1
	27.50											1		1	1		2		5
	27.00									1	2	4	5	1	1	1			15
	26.50								1	2	2	3	5	11	2	1	1		28
	26.00							2	5	3	4	11	9	8	3	2			47
	25.50							1	5	18	8	15	12	11	7		1		78
	25.00						1	2	10	18	14	17	20	11	8	3	1		105
	24.50					4	3	3	25	25	44	29	27	28	8	1	2		200
	24.00			1	2	2	11	22	28	34	48	31	32	30	5	2	1	1	251
	23.50			3	3	7	15	38	61	43	49	46	20	7	3				295
	23.00	1			10	13	29	50	41	33	42	16	12	4		1			252
	22.50		1	4	17	17	31	37	51	38	25	9	7	1					238
	22.00			7	18	29	29	29	26	19	10	3	3						173
	21.50	1	2	7	13	17	27	24	9	8	3	1		1					113
	21.00		1	5	12	18	5	6	3	2	2								54
	20.50		3	4	7	11	2	3	3		1								34
20.00	1	1	1	3	2	1	2	1										12	
19.50	1		2															3	
19.00					1													1	
TOTALS	4	8	34	85	121	154	216	261	231	262	168	155	113	56	21	7	7	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-RADIALE-STYLION L	23.39	1.37	0.110X	+	1.472	0.688
X-OVERHEAD REACH	199.23	8.56	4.303Y	+	98.593	6.21

A BIVARIATE FREQUENCY TABLE FOR
THUMB-TIP REACH AND THUMB-TIP REACH, EXTENDED

THUMB-TIP REACH, EXTENDED																	
	71	73	75	77	79	81	83	85	87	89	91	93	95	97	99	TOT	
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS	
86.75									1				2			3	
85.75											3	1	1			5	
84.75									1		1		2			4	
83.75									2	1	3					6	
82.75									5	5	2	3	1		1	17	
81.75							2		5	4	6	3	3			30	
80.75							5	4	9	4	6	2		2		32	
79.75					1	3	12	17	19	9	12	3	2	1		79	
78.75			1		1	1	11	22	17	15	14	1	4	3		90	
77.75					6	10	27	31	24	10	11	9	3	4		135	
76.75					9	23	31	36	22	16	14	6	4	1		163	
75.75					9	28	34	34	29	14	6	2				159	
74.75			1		5	22	32	38	38	20	7	14	3	1		209	
73.75		1	3	7	20	39	37	35	24	11	5	2				184	
72.75			4	13	31	39	37	24	21	10	8	2	1			190	
71.75			9	27	27	34	26	18	13	3	5	3	1			166	
70.75		3	9	28	27	20	20	12	10	5	2	2				138	
69.75		5	8	15	23	17	14	8	6	2	1					99	
68.75	1	6	6	13	15	11	9	5	1	1						68	
67.75	2	5	10	7	10	10	3		2							49	
66.75		6	7	11	8	2	2	2								38	
65.75	1	3	5	7	4	1	1	2	1							25	
64.75			1	1	3		1									6	
63.75		1	1		3	1			1							7	
62.75		1			1	1										3	
TOTALS	4	32	66	136	220	272	310	292	241	130	106	53	27	15	1	1905	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-THUMB-TIP REACH	74.13	3.88	0.472X	+	34.562	0.594
X-THUMB-TIP, EXTENDED	83.83	4.88	0.747Y	+	28.457	3.92

A BIVARIATE FREQUENCY TABLE FOR
THUMB-TIP REACH AND OVERHEAD REACH

	175	178	181	184	187	190	193	196	199	202	205	208	211	214	217	220	223	226	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
86.75												1		1					3
85.75											1		2				2		5
84.75													1	1	1		1		4
83.75												2	4						6
82.75									1	2	1	2	5	2	2	1	1		17
81.75								2	1	3	3	4	9	5	2		1		30
80.75									2	4	3	8	4	7	2	2			32
79.75					1	2	2	3	8	13	12	17	8	10	3				79
78.75			1			2	3	6	10	11	16	16	15	6	1		1	2	90
77.75				1	1	3	6	22	20	22	22	19	10	5	2	2	1		135
76.75				1	1	5	15	22	22	31	18	16	21	7	3	1			163
75.75					4	7	13	27	22	33	19	19	9	5	1				159
74.75		1	1	4	7	10	23	27	34	45	22	17	14	3		1			209
73.75	1		2	4	10	15	21	32	30	31	18	14	4	1	1				184
72.75		3	8	13	13	21	20	37	32	33	12	8	5		1				190
71.75		3	8	15	20	34	30	17	19		11	6	1	2					166
70.75	2	1	8	12	11	21	21	27	17	4	7	4	1	1	1				138
69.75		1	1	11	12	22	19	12	10	9		2							99
68.75			6	6	16	10	16	8	3	1									68
67.75		1	3	13	11	6	11	2	1		1								49
66.75	2	1	4	8	8	4	7	2	1	1									38
65.75		2	1	8	7	3	4												25
64.75					3		1	2											6
63.75			1	1	3	2													7
62.75			1		1	1													3
TOTALS	4	8	34	85	121	154	216	261	231	262	168	155	113	56	21	7	7	2	1905

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-THUMB-TIP REACH	74.13	3.88	0.28AX + 16.754	2.99	0.576
X-OVERHEAD REACH	199.23	8.56	1.404Y + 95.145	6.60	

		OVERHEAD REACH																		TOT
		175	178	181	184	187	190	193	196	199	202	205	208	211	214	217	220	223	225	ALS
THUMB-TIP REACH, EXTENDED	99.25	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	1
	97.25																			1
	95.25																			15
	93.25																			27
	91.25																			53
	89.25																			106
	87.25																			130
	85.25																			241
	83.25																			292
	81.25																			310
	79.25																			272
	77.25																			220
	75.25																			136
	73.25																			66
71.25																			32	
TOTALS	4	8	34	85	121	154	216	261	231	262	168	155	113	56	21	7	7	2	1905	

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-THUMB-TIP, EXTENDED	83.83	4.88	0.394X + 5.338	3.52	0.692
X-OVERHEAD REACH	199.23	8.56	1.214Y + 97.452	6.18	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
NECK CIRCUMFERENCE AND SHOULDER CIRCUMFERENCE

SHOULDER CIRCUMFERENCE

	87	89	91	93	95	97	99	101	103	105	107	109	111	113	115	117	119	121	TOT
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
40.00									1										1
39.50																			0
39.00						2			1		1		1	1	2				8
38.50							1		1	2	1	1			2				8
38.00				1				1	3	1	1	3	2	2		3	1		18
37.50						1			2	4		3		1	3				14
37.00							1	1	6	7	7	4	1	1		1			35
36.50				2	2	1	1	3	7	5	7	7	4	2		1	1		43
36.00				2		5	6	19	16	12	15	7	3	1	3	1	2	1	93
35.50		1		1	6	5	17	21	12	11	13	11	4	3					105
35.00		1		1	8	20	27	36	36	27	15	14	3	3					194
34.50			1	8	19	23	30	28	21	19	14	8	3			1			175
34.00			3	8	25	30	53	38	33	26	20	6							242
33.50		1	2	14	33	30	37	20	18	9	7	4	2						177
33.00			5	21	28	56	51	34	31	12	6	5	1						250
32.50		1	7	20	28	31	30	22	11	10	2	2		1					165
32.00		4	5	16	32	32	27	21	18	6	3				1				165
31.50	1	1	9	14	16	18	17	12	4	3									95
31.00	1	1	4	12	16	9	8	10	3	1	1								66
30.50		4	8	5	1	3	2	2	1	1									27
30.00			3	3	2	4	5	1	1										19
29.50			3		1														4
29.00																			0
28.50					1														1
TOTALS	2	14	51	130	218	271	313	274	226	156	113	75	24	15	11	7	4	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-NECK CIRCUMFERENCE	33.75	1.68	0.171X +	16.579	1.43
X-SHOULDER CIRCUMFER	100.41	5.14	1.610Y +	46.076	4.37

A BIVARIATE FREQUENCY TABLE FOR
NECK CIRCUMFERENCE AND CHEST CIRCUMFERENCE AT SCYE

CHEST CIRCUMFERENCE AT SCYE

	71	73	75	77	79	81	83	85	87	89	91	93	95	97	99	101	103	TOT
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
40.00										1								1
39.50																		0
39.00						1	2			1		1		2	1			8
38.50								1	2	2	1				2			8
38.00					1				1	2	4	2	1	2	2	2	1	18
37.50									3	1	3			4			1	14
37.00						2	3	4	3	6	7	3	4			3		35
36.50						2	1	6	4	5	8	4	6	5	1	1		43
36.00				1	2	6	8	14	16	18	12	5	5	1	1	3	1	93
35.50				1	4	13	17	18	14	15	10	5	5	2	1			105
35.00		1	1	3	9	20	36	41	29	28	11	6	6	2	1			194
34.50				8	12	31	24	41	19	19	12	3	4			1		175
34.00			3	8	21	47	52	37	32	26	11	4	1					242
33.50		1	3	10	31	32	38	28	16	6	7	3	1	1				177
33.00		1	2	20	30	51	48	51	22	15	9	1						250
32.50		2	7	19	34	28	28	23	12	6	2	1	2		1			165
32.00		4	5	21	24	39	34	18	11	5	3				1			165
31.50		2	6	14	19	14	25	8	4	2	1							95
31.00	1	1	8	9	15	15	5	7	3	1		1						66
30.50		3	5	6	3	5	1	3				1						27
30.00			3		7	2	4	1	1									19
29.50		1		2	1													4
29.00																		0
28.50																		1
TOTALS	1	16	43	123	214	309	331	299	193	162	97	42	38	13	12	10	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-NECK CIRCUMFERENCE	33.75	1.68	0.179X +	18.669	1.42
X-CHEST CIRC AT SCYE	84.25	4.96	1.571Y +	31.229	4.21

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
NECK CIRCUMFERENCE AND BUST CIRCUMFERENCE

BUST CIRCUMFERENCE

	75	77	79	81	83	85	87	89	91	93	95	97	99	101	103	105	107	109	111	113	TOT
NECK CIRCUMFERENCE	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
40.00													1								1
39.50																					0
39.00								1	2			1					2	1		1	8
38.50								1												2	8
38.00										1	2				1						18
37.50							1			1	1	2	1	2	1	3	3			1	14
37.00								4	2	5	5	4	1	3	1	3	2				35
36.50						2	2	1	4	8	5	5	2	6	5	2			1		43
36.00					2	2	4	5	10	18	12	9	10	9	2	5	1	2			93
35.50					2	7	13	12	19	18	10	10	8	2	2	1	1				105
35.00			2	1	11	7	29	36	32	22	17	13	14	5	4			1			194
34.50			3	2	11	24	22	30	25	18	18	7	8	3	2	1		1			175
34.00			1	6	19	34	42	35	37	28	22	9	3	6							242
33.50			5	4	18	30	36	31	25	10	7	4	4	2		1					177
33.00			1	1	10	23	37	57	40	16	13	8	2	2							250
32.50		3	7	13	16	30	30	28	12	12	3	6	2	1	2						165
32.00			6	10	28	32	28	31	14	7	4	2	2					1			165
31.50		1	5	9	19	19	15	12	8	3	1		2	1							95
31.00		2	5	4	11	15	9	8	5	5		2									66
30.50	1	1	2	8	5	1	5		1	3											27
30.00			2		7	1	5	2	1												19
29.50			1		1	1		1													4
29.00																					0
28.50																					1
TOTALS	2	8	40	69	175	245	305	285	252	168	117	83	67	30	19	21	9	4	5	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-NECK CIRCUMFERENCE	33.75	1.68	0.148X +	20.470	1.45
X-BUST CIRCUMFERENCE	89.73	5.70	1.717Y +	31.778	4.92

A BIVARIATE FREQUENCY TABLE FOR
NECK CIRCUMFERENCE AND CHEST CIRCUMFERENCE BELOW BUST

CHEST CIRCUMFERENCE BELOW BUST

	61	63	65	67	69	71	73	75	77	79	81	83	85	87	89	91	93	95	97	TOT
NECK CIRCUMFERENCE	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
40.00											1									1
39.50																				0
39.00																				8
38.50																				8
38.00																				18
37.50																				14
37.00																				35
36.50																				43
36.00																				93
35.50																				105
35.00																				194
34.50																				175
34.00																				242
33.50																				177
33.00																				250
32.50																				165
32.00																				165
31.50																				95
31.00																				66
30.50																				27
30.00																				19
29.50																				4
29.00																				0
28.50																				1
TOTALS	1	9	39	122	208	309	348	280	232	156	79	48	37	16	11	5	3	1	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-NECK CIRCUMFERENCE	33.75	1.68	0.171X +	21.040	1.46
X-CHEST C BELOW BUST	74.33	4.87	1.441Y +	25.693	4.23

A BIVARIATE FREQUENCY TABLE FOR
NECK CIRCUMFERENCE AND WAIST CIRCUMFERENCE

[illegible]

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-NECK CIRCUMFERENCE	33.75	1.68	0.165X + 22.661	1.41	0.538
X-WAIST CIRCUMFERENCE	67.20	5.48	1.757Y + 7.906	4.62	

	65	6A	73	73	75	78	80	83	85	88	90	93	95	98	100	103	105	108	110	113	115	118	TOT
	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	ALS
40.00															1								1
39.50																							0
39.00										1	1	1	1				1			2	1		8
38.50							1			1		1	1					1					8
38.00								2		1	2	1	1	3		1	1		2	1			18
37.50					1	1			1		2	2	1	1	1	3							14
37.00				2	1		1	3	3	5	4	5	1	4	2	1		1			1		35
36.50				1	1		4	2	2	7	7	5	2	1	4	1	3	2					43
36.00						3		7	15	8	21	10	8	4	2	5	1		2	1			93
35.50				1	3	2	9	17	13	13	14	10	9	5	4	2	2						105
35.00			2	10	9		16	19	33	32	28	16	16	10	2	1							194
34.50		1			5	17	21	26	25	24	17	15	11	5	1	5	1	1					175
34.00		1		8	6	21	29	39	31	33	29	20	10	8	6	1							242
33.50			6	9	20	25	33	29	25	10	12	3	4			1							177
33.00		1	4	18	21	40	42	49	30	23	13	6	2	1	1								250
32.50		4	8	17	16	30	32	15	19	12	7	1	1	1	1	1							165
32.00		1	4	6	8	28	27	33	26	14	7	4	4	1	1			1					165
31.50		3	6	6	16	17	14	14	8	9	2												95
31.00	1	1	2	9	5	8	7	12	8	4	4	5	1										66
30.50		1	1	2	5	2	6	2	3	4			1										27
30.00				1	1	6	4		1	3	2	1											19
29.50			2		1	1																	4
29.00																							0
28.50							1																1
TOTALS	1	3	17	54	98	173	245	282	268	232	192	130	77	49	31	24	8	8	6	4	2	1	1905

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-NECK CIRCUMFERENCE	33.75	1.68	0.103X + 24.928	1.50	0.447
X-ABDOMINAL EXT CIRC	85.64	7.28	1.939Y + 20.205	6.51	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
NECK CIRCUMFERENCE AND BIACROMIAL BREADTH

BIACROMIAL BREADTH																								
NECK CIRCUMFERENCE	31	31	32	32	33	33	34	34	35	35	36	36	37	37	38	38	39	39	40	40	41	41	TOT	
	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	ALS	
40.00																	1						1	
39.50																							0	
39.00							1			1		1	2			1	1						8	
38.50												2	2			1				2			8	
38.00						1				1		1	2		1	3			3			1	18	
37.50											1	2	3		1	2							14	
37.00										1	1	7	7		4	1	1			1			35	
36.50											1	4	5		7	9			1				43	
36.00						1				2	3	1	4		5	7			5		2	1	93	
35.50										3	7	8	6		8	18			3				105	
35.00			1			1	2			7	5	11	15		14	12			4		1		194	
34.50																			6				175	
34.00																			4				242	
33.50																			3				177	
33.00																			2				250	
32.50																			1				165	
32.00																			3				165	
31.50																							95	
31.00																							66	
30.50																							27	
30.00																							19	
29.50																							4	
29.00																							0	
28.50																							1	
TOTALS	5	11	10	28	45	84	134	160	212	223	244	228	172	129	82	63	38	20	9	5	4	2	1905	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-NECK CIRCUMFERENCE	33.75	1.68	0.397X +	19.520	1.55
X-BIACROMIAL BREADTH	35.84	1.64	0.380Y +	23.019	1.51

A BIVARIATE FREQUENCY TABLE FOR
NECK CIRCUMFERENCE AND BIELTIOID BREADTH

BIDELTOID BREADTH																	
	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
40.00													1				1
39.50																	0
39.00						2			1		1	1	1			2	8
38.50								1	1		3	1		2			8
38.00					1				2	1	2	4	3	1	3	1	18
37.50								1	2	1	4	3	1	2			14
37.00							3	5	4	5	5	8	3	2			35
36.50					2		2	4	7	5	8	4	5	3	2	1	43
36.00				1		1	5	10	25	22	12	5	6	2	3	1	93
35.50				1	2	7	15	17	17	19	9	11	4	2	1		105
35.00	1		1		4	8	22	42	34	36	21	20	4				194
34.50				2	8	19	31	33	27	24	18	7	4	1	1		175
34.00			1	3	10	26	38	55	47	34	16	11	1				242
33.50			1	7	14	31	38	28	28	18	7	3	2				177
33.00			3	6	14	32	70	51	43	20	5	5	1				250
32.50		2	1	12	21	28	37	33	9	9	10	3					165
32.00		2	2	8	13	34	36	30	25	8	6			1			165
31.50		1	6	9	15	18	17	15	8	4	2						95
31.00		1	3	4	10	17	12	11	6	1	1						66
30.50		1	7	3	4	3	5	3		1							27
30.00			2	3	3	2	3	5	1								19
29.50		1	2			1											4
29.00																	0
28.50					1												1
TOTALS	1	8	29	60	122	229	334	344	287	208	130	86	36	16	10	5	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-NECK CIRCUMFERENCE	33.75	1.68	0.383X +	17.712	1.42
X-BIELTIOID BREADTH	41.87	2.31	0.729Y +	17.270	1.96

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
NECK CIRCUMFERENCE AND SHOULDER LENGTH

	SHOULDER LENGTH																			TOT ALS
	11 .50	12 .00	12 .50	13 .00	13 .50	14 .00	14 .50	15 .00	15 .50	16 .00	16 .50	17 .00	17 .50	18 .00	18 .50	19 .00				
40.00											1						1			
39.50																	0			
39.00				1		2	2		2	1							8			
38.50							1	1	1	1	3		1				8			
38.00				1		1	4	3	1	3	3					1	18			
37.50					2	1	3	5	2		1						14			
37.00					8	1	8	3	6	6	3						35			
36.50		1		2	2	10	7	12	2	4	1	1					43			
36.00			1	2	8	18	19	14	15	8	6	1			1		93			
35.50			2	4	4	27	17	18	23	6	3	1					105			
35.00		1		4	10	30	42	35	32	23	9	4	3	1			194			
34.50		3	5	15	17	26	32	28	17	15	11	4	1	1			175			
34.00		1	4	18	33	32	50	39	36	17	7	4	1				242			
33.50		1	2	17	18	36	35	26	18	12	7	4		1			177			
33.00		3	5	12	20	54	51	43	36	18	5	2	1				250			
32.50	1	3	4	14	14	27	39	28	17	8	5	4	1				165			
32.00			2	9	24	33	25	28	29	9	3	2	1				165			
31.50			4	4	11	27	14	15	10	8	1	1					95			
31.00			3	6	9	14	10	8	7	5	4						66			
30.50			2	3	3	7	4	3	1	2		2					27			
30.00					1	2	5	6	1	3							19			
29.50						1	2	1			1						4			
29.00																	0			
28.50						1											1			
TOTALS	1	13	38	110	186	356	370	309	260	146	72	31	8	4	0	1	1905			

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-NECK CIRCUMFERENCE	33.75	1.68	0.223X + 30.480	1.66	0.136
X-SHOULDER LENGTH	14.66	1.02	0.083Y + 11.860	1.01	

A BIVARIATE FREQUENCY TABLE FOR
NECK CIRCUMFERENCE AND SPINE-TO-WRIST LENGTH (SLEEVE LENGTH SEGMENT)

SPINE-TO-WRIST LENGTH (SLEEVE LENGTH SEGMENT)																											
NECK CIRCUMFERENCE	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	TOT		
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS		
40.00																1									1		
39.50																									0		
39.00										1	1	2	1	2			1								8		
38.50															1	2	1	1		1					8		
38.00										1		1		3	2	1	1	2	3		1			2	18		
37.50										1		2		3	2	2	1		1						14		
37.00							1		1		3	2	3	7	2	4	1	2	2	2	2		2		35		
36.50									2	5	1	2	4	5	4	6	3	3	2	4			2		43		
36.00						1					1	10	10	13	8	15	8	8	7	4	3	1			93		
35.50							3	1	1	5	12	11	14	14	18	9	7	5	3		2				105		
35.00						1	4	2	10	15	12	15	39	26	19	18	9	11	5	3	1	3		1	194		
34.50		1		2	1	5	4	5	14	20	18	21	17	18	24	12	6	5	1					1	175		
34.00			1	2	6	9	11	17	23	33	34	29	24	16	12	11	7	3	2	2	2				242		
33.50			1	2	6	8	9	20	23	21	21	20	17	9	12	4	2	1	1						177		
33.00				2	1	6	2	14	18	20	26	34	36	35	18	16	12	4	3	2			1		250		
32.50				1	7	7	17	14	19	24	16	18	18	12	4	6					1				165		
32.00	1				7	12	8	13	27	18	18	22	11	9	8	7	2	1			1				165		
31.50				1	2	4	8	6	18	8	19	8	10	4	5			1							95		
31.00				2	1	4	5	11	5	12	10	9		2	4	1				1					66		
30.50				1	2	2	3	2	5	5	2	2	1	2		4									27		
30.00						2	2	5		4	3			1	2										19		
29.50						1		1	1				1												4		
29.00																									0		
28.50								1																	1		
TOTALS	1	0	2	2	10	33	58	86	109	174	202	219	246	206	176	135	97	58	40	22	12	7	7	3	1905		

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-NECK CIRCUMFERENCE	33.75	1.68	0.193X + 18.390	1.55	0.381
X-SPINE-TO-WRIST LTH	79.58	3.32	0.755Y + 54.103	3.07	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
SHOULDER CIRCUMFERENCE AND CHEST CIRCUMFERENCE AT SCYE

CHEST CIRCUMFERENCE AT SCYE

	71	73	75	77	79	81	83	85	87	89	91	93	95	97	99	101	103	TOT
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
SHOULDER CIRCUMFERENCE																		
121.25																	1	1
119.25																1	1	4
117.25																1	4	7
115.25																	1	11
113.25																		15
111.25																		24
109.25																		75
107.25																		113
105.25																		156
103.25																		226
101.25																		274
99.25																		313
97.25																		271
95.25																		218
93.25																		130
91.25																		51
89.25																		14
87.25																		2
TOTALS	1	16	43	123	214	309	331	299	193	162	97	42	38	13	12	10	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-SHOULDER CIRCUMFER	100.41	5.14	0.910X +	23.746	2.45
X-CHEST CIRC AT SCYE	84.25	4.96	0.849Y -	1.001	2.37

A BIVARIATE FREQUENCY TABLE FOR
SHOULDER CIRCUMFERENCE AND BUST CIRCUMFERENCE

BUST CIRCUMFERENCE

	75	77	79	81	83	85	87	89	91	93	95	97	99	101	103	105	107	109	111	113	TOT
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
SHOULDER CIRCUMFERENCE																					
121.25																					1
119.25																					4
117.25																					7
115.25																					11
113.25																					15
111.25																					24
109.25																					75
107.25																					113
105.25																					156
103.25																					226
101.25																					274
99.25																					313
97.25																					271
95.25																					218
93.25																					130
91.25																					51
89.25																					14
87.25																					2
TOTALS	2	8	40	69	175	245	305	285	252	168	117	83	67	30	19	21	9	4	5	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-SHOULDER CIRCUMFER	100.41	5.14	0.730X +	34.913	3.01
X-BUST CIRCUMFERENCE	89.73	5.70	0.899Y -	0.545	3.34

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
SHOULDER CIRCUMFERENCE AND CHEST CIRCUMFERENCE BELOW BUST

		CHEST CIRCUMFERENCE BELOW BUST																			TOT
		61	63	65	67	69	71	73	75	77	79	81	83	85	87	89	91	93	95	97	ALS
SHOULDER CIRCUMFERENCE	121.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	1
	119.25													1		1	1		1		4
	117.25												1	1	1	2	1	1			7
	115.25											2	3		2	2	1	1			11
	113.25										1		1	7	1	4	1				15
	111.25									3	3		9	5	2	1	1				24
	109.25							1	4	8	14	13	15	13	5	1				1	75
	107.25							9	9	24	33	20	10	4	3			1			113
	105.25						3	15	34	39	42	13	5	3	2						156
	103.25					3	14	46	45	68	28	11	7	3	1						226
	101.25					9	31	88	62	52	21	7	1	3							274
	99.25			4	9	36	79	84	66	23	8	4									313
	97.25			5	22	51	81	58	40	10	4										271
	95.25		2	4	35	62	62	35	11	5	2										218
	93.25		4	13	34	31	29	11	8												130
	91.25		2	8	19	12	9		1												51
	89.25	1	1	4	3	3	1	1													14
	87.25			1		1															2
TOTALS		1	9	39	122	208	309	348	280	232	156	79	48	37	16	11	5	3	1	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-SHOULDER CIRCUMFER	100.41	5.14	0.844X	+	37.682	0.799
X-CHEST C BELOW BUST	74.33	4.87	0.757Y	-	1.687	2.92

A BIVARIATE FREQUENCY TABLE FOR
SHOULDER CIRCUMFERENCE AND WAIST CIRCUMFERENCE

		WAIST CIRCUMFERENCE																							TOT
		53	55	57	59	61	63	65	67	69	71	73	75	77	79	81	83	85	87	89	91	93	95	ALS	
SHOULDER CIRCUMFERENCE	121.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	1	
	119.25																1	1	1	1				4	
	117.25													2	1	1	1	1	1	1				7	
	115.25												1	2	1	1	1	2	1		1			11	
	113.25									1	2	1	1	3	2	3	2							15	
	111.25									2	3	5	4	4	3	3								24	
	109.25								3	6	13	5	17	7	11	7	3	1	1		1			75	
	107.25							2	7	24	21	22	19	7	6	3		1	1	1				113	
	105.25					1	3	11	27	42	24	15	20	9	2			1	1					156	
	103.25					4	9	34	47	52	35	26	11	2	3			2	1					226	
	101.25				4	16	29	41	72	60	27	19	4	2										274	
	99.25		1	7	32	60	77	62	47	17	4	5	1											313	
	97.25		4	15	52	65	61	43	19	10	1	1												271	
	95.25		6	31	50	57	41	21	6	4	1	1												218	
	93.25		3	8	28	31	35	16	6	2														130	
91.25			7	14	18	7	4		1														51		
89.25			3	5	5	1																	14		
87.25	1				1																		2		
TOTALS		1	3	29	104	210	266	287	288	262	156	101	85	37	29	18	11	8	6	1	2	0	1	1905	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-SHOULDER CIRCUMFER	100.41	5.14	0.727X	+	51.556	0.775
X-WAIST CIRCUMFER	67.20	5.48	0.826Y	-	15.738	3.46

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
SHOULDER CIRCUMFERENCE AND ABDOMINAL EXTENSION CIRCUMFERENCE

ABDOMINAL EXTENSION CIRCUMFERENCE																								
SHOULDER CIRCUMFERENCE																								TOT
	65	68	70	73	75	78	80	83	85	88	90	93	95	98	100	103	105	108	110	113	115	118	ALS	
121.25	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	1	1
119.25																								4
117.25												1	2	1		1	1		2	1	1			7
115.25												1	1	1		2	2		2	1	1			11
113.25									1	1	1		1	2	3	3		1	1				1	15
111.25									1		2	9	2	5	2	1	1			1				24
109.25									4	7	10	7	16	8	9	8	3	1	1					75
107.25						2	3	7	10	13	22	18	15	10	6	5	2							113
105.25				1	4	3	17	27	25	31	19	11	10	4	2	1	1							156
103.25		1	1	2	5	11	29	35	49	35	27	16	7	4	2		2							226
101.25				4	16	31	45	62	46	42	17	7	4											274
99.25		1	6	14	26	57	63	46	43	32	18	6			1									313
97.25		2	2	10	22	45	53	46	48	27	9	7												271
95.25			4	13	25	29	46	50	22	16	6	5	1	1										218
93.25			4	10	17	34	28	19	10	5	2	1												130
91.25			4	12	11	10	7	5	2															51
89.25		1		2	2	2	6	1																14
87.25	1		1																					2
TOTALS	1	3	17	54	98	173	245	282	268	232	192	130	77	49	31	24	8	8	6	4	2	1	1905	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-SHOULDER CIRCUMFER	100.41	5.14	0.496X +	57.933	3.66
X-ABDOMINAL EXT CIRC	85.64	7.28	0.996Y -	14.366	5.18

A BIVARIATE FREQUENCY TABLE FOR
SHOULDER CIRCUMFERENCE AND HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL

HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL																							
SHOULDER CIRCUMFERENCE	HIP CIRCUMFERENCE																						TOT ALS
	77 .25	79 .25	81 .25	83 .25	85 .25	87 .25	89 .25	91 .25	93 .25	95 .25	97 .25	99 .25	101 .25	103 .25	105 .25	107 .25	109 .25	111 .25	113 .25	115 .25	117 .25		
121.25																			1			1	
119.25																1			1			4	
117.25											1	1							1			7	
115.25													4	1	1							11	
113.25										1	2		1	5		2		1	1			15	
111.25								1	1	1	7	3	5	1		2		1	3		2	24	
109.25									3	3	12	13	13	9	2	5				1	1	75	
107.25									4	11	13	20	28	18	8	4	7					113	
105.25						1	4	14	23	35	27	25	11	9	3	2	1	1				156	
103.25					2		9	21	43	49	38	30	18	9	3	1	2	1				226	
101.25					5	7	22	47	57	54	52	16	10	3	1							274	
99.25				1	8	21	48	80	59	52	29	10	5									313	
97.25				4	19	40	52	47	62	32	12	3										271	
95.25			5	14	16	43	50	44	19	16	6	5										218	
93.25		1	6	12	20	30	33	17	5	4	1		1									130	
91.25		2	6	10	9	10	8	5	1													51	
89.25			1	1	4	5	2	1														14	
87.25	1		1																			2	
TOTALS	1	3	19	42	83	157	228	281	284	260	201	138	84	55	23	15	14	5	7	4	1	1905	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-SHOULDER CIRCUMFER	100.41	5.14	0.684X +	36.366	3.43
X-HIP C-7" BLW WAIST	93.64	5.50	0.809Y +	12.402	3.73

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
SHOULDER CIRCUMFERENCE AND HIP CIRCUMFERENCE-NINE INCHES BELOW WAIST LEVEL

HIP CIRCUMFERENCE-NINE INCHES BELOW WAIST LEVEL

	77	79	81	83	85	87	89	91	93	95	97	99	101	103	105	107	109	111	113	115	117	119	TOT
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
SHOULDER CIRCUMFERENCE																							
121.25																		1					1
119.25																		1					4
117.25											1	1	1			1						1	7
115.25												1	2	2	1	2	1						11
113.25												3	1	2	2	1							15
111.25										1	4	4	2	5	2	2	2						24
109.25									1	3	4	12	11	15	11	7	6	3	2			1	75
107.25						1		1	5	7	18	29	16	17	7	5	5	2					113
105.25							3	7	11	22	33	29	19	14	9	7		1			1		156
103.25						3	3	10	26	38	39	41	29	17	13	3	1	2	1				226
101.25																							274
99.25				1																			313
97.25				2	4	10	32	59	68	52	44	21	15	4	1	1							271
95.25			1	4	9	24	37	45	57	48	28	12	3	2	1								218
93.25		1	3	8	15	27	44	37	32	28	6	14	3										130
91.25	1	6	5	15	23	30	27	11	4	5	2				1								51
89.25	2	1	4	6	8	12	4	7	4	2	1												14
87.25			1	1			2	2	1														2
TOTALS	3	3	15	28	52	110	166	224	257	259	235	209	124	91	51	30	18	12	10	3	2	3	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-SHOULDER CIRCUMFER	100.41	5.14	0.612X + 42.106	3.58	0.717
X-HIP C-9" BLW WAIST	95.27	6.02	0.840Y + 10.926	4.19	

A BIVARIATE FREQUENCY TABLE FOR
SHOULDER CIRCUMFERENCE AND VERTICAL TRUNK CIRCUMFERENCE

VERTICAL TRUNK CIRCUMFERENCE

	135	137	139	141	143	145	147	149	151	153	155	157	159	161	163	165	167	169	171	173	175	177	TOT
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
SHOULDER CIRCUMFERENCE																							
121.25																							1
119.25																							4
117.25																							7
115.25																							11
113.25																							15
111.25																							24
109.25																							75
107.25																							113
105.25																							156
103.25																							226
101.25																							274
99.25																							313
97.25																							271
95.25																							218
93.25																							130
91.25																							51
89.25																							14
87.25																							2
TOTALS	2	4	15	32	65	99	152	183	197	213	208	200	166	114	108	64	25	19	19	14	4	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-SHOULDER CIRCUMFER	100.41	5.14	0.453X + 30.458	4.09	0.606
X-VERTICAL TRUNK CIR	154.43	6.87	0.810Y + 73.092	5.47	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
SHOULDER CIRCUMFERENCE AND VERTICAL TRUNK CIRCUMFERENCE, SITTING

VERTICAL TRUNK CIRCUMFERENCE, SITTING

	133	135	137	139	141	143	145	147	149	151	153	155	157	159	161	163	165	167	169	171	TOT
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
SHOULDER CIRCUMFERENCE																					
121.25																					1
119.25																					4
117.25																					7
115.25																					11
113.25																					15
111.25																					24
109.25																					75
107.25																					113
105.25																					156
103.25																					226
101.25																					274
99.25																					313
97.25																					271
95.25																					218
93.25																					130
91.25																					51
89.25																					14
87.25																					2
TOTALS	7	11	40	67	101	163	174	186	237	225	213	157	121	87	50	31	16	7	10	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-SHOULDER CIRCUMFER	100.41	5.14	0.442X + 34.084	4.24	0.564
X-VERTICAL TRK C, SIT	150.07	6.56	0.720Y + 77.769	5.41	

A BIVARIATE FREQUENCY TABLE FOR
SHOULDER CIRCUMFERENCE AND BIACROMIAL BREADTH

BIACROMIAL BREADTH

	31	31	32	32	33	33	34	34	35	35	36	36	37	37	38	38	39	39	40	40	41	41	TOT
	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	ALS
SHOULDER CIRCUMFERENCE																							
121.25																							1
119.25																							4
117.25																							7
115.25																							11
113.25																							15
111.25																							24
109.25																							75
107.25																							113
105.25																							156
103.25																							226
101.25																							274
99.25																							313
97.25																							271
95.25																							218
93.25																							130
91.25																							51
89.25																							14
87.25																							2
TOTALS	5	11	10	28	45	84	134	160	212	223	244	228	172	129	82	60	38	20	9	5	4	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-SHOULDER CIRCUMFER	103.41	5.14	1.823X + 35.070	4.18	0.581
X-BIACROMIAL BREADTH	35.84	1.64	0.186Y + 17.167	1.33	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
SHOULDER CIRCUMFERENCE AND BIELTOID BREADTH

SHOULDER CIRCUMFERENCE	BIELTOID BREADTH																TOT ALS
	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	
121.25	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	1
119.25															3	1	4
117.25												1	1	2	3		7
115.25												2		6	1	2	11
113.25											1	4	5	2	1	2	15
111.25											5	10	9				24
109.25									2	7	19	28	13	5	1		75
107.25								4	12	31	39	20	6	1			113
105.25							1	7	13	39	56	36	11	1			156
103.25							2	26	117	109	78	63	16	8	1		226
101.25					3	4	31	94	94	36	10	2					274
99.25					2	26	117	109	45	10	4						313
97.25			1	1	12	76	113	54	9	5							271
95.25		1	1	9	42	90	49	18	8								218
93.25		2	8	29	47	27	17										130
91.25		3	14	16	14	4											51
89.25	1	1	4	5	2	1											14
87.25		1	1														2
TOTALS	1	8	29	61	122	229	334	344	287	208	130	86	36	16	10	5	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-SHOULDER CIRCUMFER	107.41	5.14	1.978X	+	17.587	0.890
X-BIELTOID BREADTH	41.87	2.31	0.401Y	+	1.608	1.05

A BIVARIATE FREQUENCY TABLE FOR
SHOULDER CIRCUMFERENCE AND NECK-TO-BUSTPOINT LENGTH

SHOULDER CIRCUMFERENCE	NECK-TO-BUSTPOINT LENGTH																TOT ALS
	19	20	21	22	23	24	25	26	27	28	29	30	31				
121.25	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	1
119.25									1	2	1		1				4
117.25									3	3		1					7
115.25									2	2	4	1	1				11
113.25							2	2	4	2	3	2					15
111.25					1	2	4	6	4	2	4	1					24
109.25					3	5	14	15	15	11	7	3	2				75
107.25			1	3	4	16	22	25	24	7	6	4	1				113
105.25			1	1	11	30	32	29	32	14	5	1					156
103.25			6	4	22	45	54	43	28	17	6	1					226
101.25		3	3	14	44	55	67	44	26	13	4	1					274
99.25		3	17	21	63	79	75	41	20	5	2						313
97.25			11	31	48	67	61	35	14	3	1						271
95.25		3	2	28	63	55	35	25	5	2							218
93.25		3	11	24	28	35	19	6									130
91.25	1		6	15	9	11	2	7									51
89.25			1	2	5	3	2	1									14
87.25				1		1											2
TOTALS	1	12	55	144	301	395	349	282	181	83	43	15	5				1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-SHOULDER CIRCUMFER	107.41	5.14	1.799X	+	64.746	0.515
X-NECK-BUSTPOINT L	25.49	1.89	0.189Y	+	6.517	1.62

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
SHOULDER CIRCUMFERENCE AND SPINE-TO-WRIST LENGTH (SLEEVE LENGTH SEGMENT)

		SPINE-TO-WRIST LENGTH (SLEEVE LENGTH SEGMENT)																								TOT
		67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	ALS
SHOULDER CIRCUMFERENCE	121.25	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	1
	119.25												1		1	1	1		1							1
	117.25													1	1	1			1	1					1	1
	115.25										1		1		1	1		1	1	2	1			1		1
	113.25											2		2	1	3		2	1	1	2	1			1	1
	111.25										1	1		2		4	6	4	1	1	3				1	2
	109.25										1	3	2	5	8	10	10	9	11	3	1	2	1		1	1
	107.25							1	1	5	5	7	4	7	15	16	14	13	8	4	5	4	1	2	1	113
	105.25							2	3	6	8	11	19	19	16	23	14	12	4	10	4	3	1	1		156
	103.25						3	2	1	6	19	21	15	32	28	34	26	15	11	7	5					226
	101.25					1	1	7	8	9	19	24	36	50	38	20	26	14	12	4	3		1	1		274
	99.25					1	3	6	14	16	31	49	40	42	42	33	13	14	4	3	1	1				313
	97.25					3	7	8	17	21	33	36	38	40	26	14	13	11	2	1			1			271
	95.25			2		3	5	13	15	20	23	28	34	31	16	11	11	3	2	1						218
	93.25	1				1	10	9	15	13	23	16	19	11	8	1	2		1							130
	91.25				1	2	2	5	7	10	8	4	4	3	1	3		1								51
	89.25					2	5	3	1		2	1														14
	87.25								2																	2
TOTALS		1	0	2	2	10	33	58	86	109	174	202	219	246	206	176	135	97	58	40	22	12	7	7	3	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-SHOULDER CIRCUMFER	100.41	5.14	0.758X + 40.088	4.48	0.490
X-SPINE-TO-WRIST LTH	79.58	3.32	0.316Y + 47.853	2.89	

A BIVARIATE FREQUENCY TABLE FOR
CHEST CIRCUMFERENCE AT SCYE AND BUST CIRCUMFERENCE

		BUST CIRCUMFERENCE																				TOT
		75	77	79	81	83	85	87	89	91	93	95	97	99	101	103	105	107	109	111	113	ALS
CHEST CIRCUMFERENCE AT SCYE	103.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	2
	101.25																1	1				1
	99.25																2	4	1	2		12
	97.25																2	3	2	1	4	13
	95.25											1	1	7	10	6	5	4	3			38
	93.25											3	5	9	12	6	4	3				42
	91.25										3	12	19	24	22	11	3	3				97
	89.25								3	4	31	37	48	21	15	2	1					162
	87.25						6	6	26	58	45	28	18	5	1							193
	85.25					3	11	47	87	85	46	14	4	1	1							299
	83.25				1	16	55	86	102	52	17	2										331
	81.25			2	5	35	86	100	56	19	6											309
	79.25		2	3	14	68	63	52	7	4	1											214
	77.25		2	12	29	43	23	11	3													123
	75.25	1	2	16	14	9	1															43
	73.25	1	1	7	6	1																16
	71.25		1																			1
TOTALS		2	8	40	69	175	245	305	285	252	168	117	83	67	30	19	21	9	4	5	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-CHEST CIRC AT SCYE	84.25	4.96	0.773X + 14.891	2.28	0.888
X-BUST CIRCUMFERENCE	89.73	5.70	1.021Y + 3.708	2.62	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
CHEST CIRCUMFERENCE AT SCYE AND CHEST CIRCUMFERENCE BELOW BUST

CHEST CIRCUMFERENCE BELOW BUST

	61	63	65	67	69	71	73	75	77	79	81	83	85	87	89	91	93	95	97	TOT
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
CHEST CIRCUMFERENCE AT SCYE																				
103.25																				2
101.25												1	2	2	2	1	1		1	10
99.25												1	1	3	4	1	1			12
97.25													1	1	3					13
95.25													7	9	9	2				38
93.25													7	9	5	4				42
91.25													20	11	10	4	1			97
89.25					1	2	16	26	48	37	22	5	5							162
87.25					4	10	36	37	48	40	9	7	2							193
85.25					3	6	26	88	72	64	29	8	1	2						299
83.25					2	5	23	89	90	69	39	9	5							331
81.25					4	23	55	94	79	44	8	2								309
79.25					3	4	31	67	60	29	16	3	1							214
77.25					2	8	43	43	22	2	3									123
75.25					3	14	12	7	5	1	1									43
73.25					1	1	6	5	2	1										16
71.25							1													1
TOTALS	1	9	39	122	208	309	348	280	232	156	79	48	37	16	11	5	3	1	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-CHEST CIRC AT SCYE	84.25	4.96	0.837X +	22.038	0.821
X-CHEST C BELOW BUST	74.33	4.87	0.805Y +	6.505	2.78

A BIVARIATE FREQUENCY TABLE FOR
CHEST CIRCUMFERENCE AT SCYE AND WAIST CIRCUMFERENCE

WAIST CIRCUMFERENCE

	53	55	57	59	61	63	65	67	69	71	73	75	77	79	81	83	85	87	89	91	93	95	TOT
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
CHEST CIRCUMFERENCE AT SCYE																							
103.25																							2
101.25													1	1	1	3	1	2					10
99.25													1	1	2	1	3	3					12
97.25													2	3	2	3							13
95.25													5	7	3	2	1						38
93.25													4	6	7	4	1						42
91.25													8	8	4	1	2						97
89.25													8	2	2	1							162
87.25													3										193
85.25													8	3									299
83.25													2										331
81.25																							309
79.25																							214
77.25																							123
75.25																							43
73.25																							16
71.25																							1
TOTALS	1	3	29	104	210	266	287	288	262	156	101	85	37	29	18	11	8	6	1	2	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-CHEST CIRC AT SCYE	84.25	4.96	0.714X +	36.266	3.05
X-WAIST CIRCUMFERENCE	67.20	5.48	0.870Y -	6.093	3.37

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
CHEST CIRCUMFERENCE AT SCYE AND ABDOMINAL EXTENSION CIRCUMFERENCE

ABDOMINAL EXTENSION CIRCUMFERENCE

CHEST CIRCUMFERENCE AT SCYE	ABDOMINAL EXTENSION CIRCUMFERENCE																							TOT
	65	69	70	73	75	78	80	83	85	88	90	93	95	98	100	103	105	108	110	113	115	118	ALS	
103.25	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	2	
101.25												1	1	1	2	1	1		1	1	1		10	
99.25												1	1	1	1	1	2	3	2	1			12	
97.25									1		1	2				3	4				1	1	13	
95.25									2	3		5	6	7	7	5		2	1				38	
93.25									2	1	4	5	5	7	7	4	4	2		1			42	
91.25						1			2	8	8	23	12	19	9	4	5	2	3	1			97	
89.25					1	3	8	11	15	27	34	27	12	13	6		4	1					162	
87.25					3	7	9	24	34	33	35	25	13	9	1								193	
85.25				2	7	15	33	57	46	51	40	31	13	2	2								299	
83.25		1	2	6	8	35	42	58	75	58	29	12	4		1								331	
81.25		1	3	3	18	40	70	65	52	30	18	8	1										309	
79.25			2	23	31	32	47	31	25	16	6	1											214	
77.25			9	9	23	25	23	23	8	2		1											123	
75.25				6	6	12	11	7			1												43	
73.25		1	1	5	1	3	2	2	1														16	
71.25	1																						1	
TOTALS	1	3	17	54	98	173	245	282	268	232	192	130	77	49	31	24	8	8	6	4	2	1	1905	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-CHEST CIRC AT SCYE	84.25	4.96	0.487X +	42.540	3.47
X-ABDOMINAL EXT CIRC	85.64	7.28	1.048Y -	2.648	5.09

A BIVARIATE FREQUENCY TABLE FOR
CHEST CIRCUMFERENCE AT SCYE AND HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL

HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL

CHEST CIRCUMFERENCE AT SCYE	HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL																						TOT
	77	79	81	83	85	87	89	91	93	95	97	99	101	103	105	107	109	111	113	115	117	ALS	
103.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	1	2
101.25											1	1	2	2			1	1	1	1		1	10
99.25											1	1	1	2	1	2	2	2	3				12
97.25										1	1	1	1	2	2	2	1	2	1	1			13
95.25										1	4	8	6	8	7	2	1	1		1			38
93.25							1	2	4	4	2	5	8	7	4	2	2				1		42
91.25								4	4	17	19	15	13	12	3	4	4	1	1				97
89.25						1	1	13	20	25	26	37	19	12	2	5	1						162
87.25					2	2	7	14	45	38	40	20	13	7	3	1		1					193
85.25					2	9	27	56	54	51	53	33	11	2	1								299
83.25			1	1	10	25	49	67	68	62	31	10	5	1			1						331
81.25			1	6	18	41	61	61	55	37	19	6	4										309
79.25		1	1	16	25	38	39	44	23	20	4	2	1										214
77.25			9	14	15	28	29	16	8	4													123
75.25			4	5	8	10	10	3	3														43
73.25		2	3		3	3	4	1															16
71.25	1																						1
TOTALS	1	3	19	42	83	157	228	281	284	260	201	138	84	55	23	15	14	5	7	4	1		1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-CHEST CIRC AT SCYE	84.25	4.96	0.643X +	24.041	3.43
X-HIP C-7" BLW WAIST	93.64	5.59	0.814Y +	25.058	3.86

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
CHEST CIRCUMFERENCE AT SCYE AND HIP CIRCUMFERENCE-NINE INCHES BELOW WAIST LEVEL

HIP CIRCUMFERENCE-NINE INCHES BELOW WAIST LEVEL

	77	79	81	83	85	87	89	91	93	95	97	99	101	103	105	107	109	111	113	115	117	119	TOT
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
CHEST CIRCUMFERENCE AT SCYE																							
103.25																							
101.25																							
99.25																							
97.25																							
95.25																							
93.25																							
91.25																							
89.25																							
87.25																							
85.25																							
83.25																							
81.25																							
79.25																							
77.25																							
75.25																							
73.25																							
71.25																							
TOTALS	3	3	15	28	52	110	166	224	257	259	235	209	124	91	51	30	18	12	10	3	2	3	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-CHEST CIRC AT SCYE	84.25	4.96	0.566X +	30.325	3.61
X-HIP C-9" BLW WAIST	95.27	6.02	0.832Y +	25.177	4.38

A BIVARIATE FREQUENCY TABLE FOR
CHEST CIRCUMFERENCE AT SCYE AND VERTICAL TRUNK CIRCUMFERENCE

VERTICAL TRUNK CIRCUMFERENCE

	135	137	139	141	143	145	147	149	151	153	155	157	159	161	163	165	167	169	171	173	175	177	TOT
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
CHEST CIRCUMFERENCE AT SCYE																							
103.25																							
101.25																							
99.25																							
97.25																							
95.25																							
93.25																							
91.25																							
89.25																							
87.25																							
85.25																							
83.25																							
81.25																							
79.25																							
77.25																							
75.25																							
73.25																							
71.25																							
TOTALS	2	4	15	32	65	99	152	183	197	213	208	200	166	114	108	64	25	19	19	14	4	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-CHEST CIRC AT SCYE	84.25	4.96	0.459X +	13.367	3.83
X-VERTICAL TRUNK CIRC	154.43	6.87	0.879Y +	80.771	5.30

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
CHEST CIRCUMFERENCE AT SCYE AND VERTICAL TRUNK CIRCUMFERENCE, SITTING

VERTICAL TRUNK CIRCUMFERENCE, SITTING

	133	135	137	139	141	143	145	147	149	151	153	155	157	159	161	163	165	167	169	171	TOT
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
CHEST CIRCUMFERENCE AT SCYE																					
103.25																					2
101.25																					10
99.25																					12
97.25																					13
95.25																					38
93.25																					42
91.25																					97
89.25																					162
87.25																					193
85.25																					299
83.25																					331
81.25																					309
79.25																					214
77.25																					123
75.25																					43
73.25																					16
71.25																					1
TOTALS	7	11	40	67	101	163	174	186	237	225	213	157	121	87	50	31	16	7	10	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-CHEST CIRC AT SCYE	84.25	4.96	0.444X + 17.623	4.02	0.587
X-VERTICAL TRK C, SIT	150.07	6.56	0.775Y + 84.773	5.31	

A BIVARIATE FREQUENCY TABLE FOR
CHEST CIRCUMFERENCE AT SCYE AND BICEPS CIRCUMFERENCE, FLEXED, RIGHT

BICEPS CIRCUMFERENCE, FLEXED, RIGHT

	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
CHEST CIRCUMFERENCE AT SCYE																				
103.25																				2
101.25																				10
99.25																				12
97.25																				13
95.25																				38
93.25																				42
91.25																				97
89.25																				162
87.25																				193
85.25																				299
83.25																				331
81.25																				309
79.25																				214
77.25																				123
75.25																				43
73.25																				16
71.25																				1
TOTALS	4	16	60	171	253	331	334	309	156	125	87	32	12	9	3	2	4	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-CHEST CIRC AT SCYE	84.25	4.96	1.580X + 41.914	3.35	0.737
X-BICEPS C, FLEXED, R	26.79	2.32	0.344Y - 2.188	1.56	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
CHEST CIRCUMFERENCE AT SCYE AND ELBOW CIRCUMFERENCE, FLEXED

ELBOW CIRCUMFERENCE, FLEXED

	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
CHEST CIRCUMFERENCE AT SCYE																
103.25							2									2
101.25							1	4				1			1	10
99.25							3	3	2	2	1			1		12
97.25							2	4	1	3	1	2				13
95.25						3	3	12	6	7	5	1	1			38
93.25						2	9	9	11	8	2	1				42
91.25			1	1		7	18	29	24	10	6	1				97
89.25			2	10	18	25	33	36	22	9	7					162
87.25			2	7	27	50	41	43	19	4						193
85.25			7	26	50	71	71	40	20	9	5					299
83.25	1	1	9	29	67	97	62	46	15	4						331
81.25		2	14	49	87	72	56	16	12	1						309
79.25	1	8	17	49	52	56	15	10	5	1						214
77.25		9	11	27	34	21	12	8	1							123
75.25		3	8	14	7	9	1	1								43
73.25	1	3	3	3	5	1										16
71.25	1															1
TOTALS	4	26	74	215	359	434	351	249	125	44	20	2	1	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-CHEST CIRC AT SCYE	84.25	4.96	1.401X +	46.455	4.29
X-ELBOW CIRC, FLEXED	26.98	1.78	0.181Y +	11.727	1.54

A BIVARIATE FREQUENCY TABLE FOR
CHEST CIRCUMFERENCE AT SCYE AND WRIST CIRCUMFERENCE

WRIST CIRCUMFERENCE

	12	13	13	14	14	15	15	16	16	17	17	TOT
	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	ALS
CHEST CIRCUMFERENCE AT SCYE												
103.25							1					2
101.25							2					10
99.25					1	1			3	1	4	12
97.25					2	1	4	1	4	1		13
95.25						3	8	14	5	6	2	38
93.25						1	10	15	7	7	2	42
91.25				4	8	27	32	16	6	4		97
89.25			1	7	21	40	57	28	8			162
87.25			3	10	30	52	63	20	14	1		193
85.25			4	17	69	97	84	25	3		1	299
83.25			5	46	80	110	59	27	2	2		331
81.25		1	9	63	92	79	47	14	3	1		309
79.25		1	15	43	78	59	17	1				214
77.25		1	19	39	33	25	6					123
75.25			3	18	11	11						43
73.25			1	2	7	6						16
71.25				1								1
TOTALS	1	3	62	256	432	520	401	149	60	16	5	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-CHEST CIRC AT SCYE	84.25	4.96	3.713X +	28.693	4.20
X-WRIST CIRCUMFERENCE	14.96	0.71	0.076Y +	8.560	0.60

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
CHEST CIRCUMFERENCE AT SCYE AND CHEST BREADTH

		CHEST BREADTH														TOT ALS
		22	23	24	25	26	27	28	29	30	31	32	33	34	35	
CHEST CIRCUMFERENCE AT SCYE	103.25	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	2
	101.25									1	1	2	4	2	1	10
	99.25							1		1	4	2	4			12
	97.25								1	1	5	3	2	1		13
	95.25						1	4	7	8	15	3				38
	93.25						2	6	7	9	12	3	1	2		42
	91.25					2	6	22	26	24	10	6		1		97
	89.25				2	5	16	45	45	33	13	3				162
	87.25				5	17	43	59	38	22	8	1				193
	85.25			1	15	48	98	85	37	11	4					299
	83.25			7	20	83	111	72	28	8	2					331
	81.25		2	7	66	104	76	42	9	2	1					309
	79.25	1	2	25	55	79	36	14	2							214
	77.25		8	23	48	27	12	5								123
	75.25	1	8	13	9	10	2									43
	73.25	1	3	7	2	3										16
	71.25		1													1
TOTALS		3	24	83	222	378	403	355	200	121	75	23	11	6	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-CHEST CIRC AT SCYE	84.25	4.96	1.985X	+	28.679	0.766
X-CHEST BREADTH	27.99	1.91	0.295Y	+	3.141	1.23

A BIVARIATE FREQUENCY TABLE FOR
CHEST CIRCUMFERENCE AT SCYE AND CHEST DEPTH

		CHEST DEPTH														TOT ALS
		18	19	20	21	22	23	24	25	26	27	28	29	30	31	
CHEST CIRCUMFERENCE AT SCYE	103.25	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	2
	101.25										1	1	2	1	1	10
	99.25										4	5	1	1		12
	97.25								2	3	4	3	1			13
	95.25						3	9	12	10	1	1	2			38
	93.25					6	8	8	8	5	4	2	1			42
	91.25				1	2	7	12	33	26	11	4	1			97
	89.25		2		2	13	24	51	46	15	9					162
	87.25		1	4	5	30	52	54	24	17	4	2				193
	85.25		1		29	55	109	63	25	12		1				299
	83.25		1	18	62	92	104	39	13	2						331
	81.25		3	28	78	96	68	30	6							309
	79.25		5	26	74	64	34	9	1	1						214
	77.25		13	29	40	28	12	1								123
	75.25	1	4	16	12	8	2									43
	73.25	1	3	5	6	1										16
	71.25		1													1
TOTALS		2	34	130	309	389	418	270	167	96	53	21	9	5	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-CHEST CIRC AT SCYE	84.25	4.96	1.946X	+	38.240	0.758
X-CHEST DEPTH	23.64	1.93	0.295Y	-	1.211	1.26

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
CHEST CIRCUMFERENCE AT SCYE AND SPINE-TO-WRIST LENGTH (SLEEVE LENGTH SEGMENT)

SPINE-TO-WRIST LENGTH (SLEEVE LENGTH SEGMENT)

	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
CHEST CIRCUMFERENCE AT SCYE	103.25													1	1										2
101.25														2	2	1	2	1						1	10
99.25										1			1	2	2	1	1		2					1	12
97.25											2	3		2	2	1				1				1	13
95.25						1	1			1	2			6	4	5	3	2	2	1			2		38
93.25							1							5	4	5	2	3	4	4					42
91.25									2	5	9	6	6	13	14	11	15	6	3	5	2				97
89.25								2	4	12	14	16	26	21	19	14	11	11	4	5	2				162
87.25						2	3	3	7	9	15	14	20	25	24	23	18	9	13	1	2	2	2	1	193
85.25					1	3	5	13	14	21	34	41	38	33	37	24	14	13	2	2	3				299
83.25				1	3	3	8	16	18	37	35	36	48	38	27	31	14	6	4	5					331
81.25			1	3	7	12	17	23	31	46	45	41	38	19	10	8	3	3	2						309
79.25	1		1	2	1	5	9	12	14	29	29	32	38	14	11	9	4	2	1						214
77.25					2	7	14	12	15	17	14	10	16	7	2	3	3		1						123
75.25						3	2	8	6	8	2	7	2	3	1										43
73.25						2	3	2	2	2	2	2					1								16
71.25								1																	1
TOTALS	1	0	2	2	13	33	58	86	109	174	202	219	246	206	176	135	97	58	40	22	12	7	7	3	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-CHEST CIRC AT SCYE	84.25	4.96	0.626X + 34.429	4.51	0.419
X-SPINE-TO-WRIST LTH	79.58	3.32	0.280Y + 55.994	3.01	

A BIVARIATE FREQUENCY TABLE FOR
BUST CIRCUMFERENCE AND CHEST CIRCUMFERENCE BELOW BUST

CHEST CIRCUMFERENCE BELOW BUST

	61	63	65	67	69	71	73	75	77	79	81	83	85	87	89	91	93	95	97	TOT
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
BUST CIRCUMFERENCE	113.25																			1
111.25													1	1	1		1			5
109.25													1	1	1		1			4
107.25										1			1	1	1	2	1	1		9
105.25													5	2	8	5	1			21
103.25													3	5	1	2	2			19
101.25									1	3			9	5	4	2	1			30
99.25								3	4	9	10	14	12	14	1					67
97.25						1	2	13	17	21	14	7	7	1						83
95.25					1	2	6	16	37	27	17	8	3							117
93.25		1			2	7	25	32	43	38	15	5								168
91.25			1	11	20	54	64	63	32	7										252
89.25			3	5	16	37	55	69	44	14	2									285
87.25			5	14	33	99	86	54	13	1										305
85.25		2	7	22	55	86	52	20	3	2										245
83.25		3	5	42	54	45	20	6												175
81.25		2	9	20	26	7	5													69
79.25		2	10	15	8	4		1												40
77.25			2	3	2	1														8
75.25	1			1																2
TOTALS	1	9	39	122	208	309	348	280	232	156	79	48	37	16	11	5	3	1	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-BUST CIRCUMFERENCE	89.73	5.70	0.975X + 17.258	3.16	0.932
X-CHEST C BELOW BUST	74.33	4.87	0.710Y + 12.620	2.70	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
BUST CIRCUMFERENCE AND WAIST CIRCUMFERENCE

WAIST CIRCUMFERENCE

	53	55	57	59	61	63	65	67	69	71	73	75	77	79	81	83	85	87	89	91	93	95	TOT
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
113.25																1							1
111.25													1			1	1	1				1	5
109.25														2		1	1	1					4
107.25												2	1	1			2	1	1	1			9
105.25										1	2	1	2	3	5	3		3					21
103.25										1	1	2	1	6	5	2	1			1			19
101.25									1	3	5	2	7	3	3	1	2	3					30
99.25								1	2	6	11	14	13	8	8	3	1						67
97.25								3	2	10	12	17	17	10	5	4	1						83
95.25								1	4	18	25	22	22	18	6	1							117
93.25				1	1	8	22	32	41	34	15	12	2										168
91.25				3	11	17	35	53	69	36	18	8	2										252
89.25			1	4	26	41	60	69	52	21	7	3	1										285
87.25			3	14	44	62	86	56	32	8													305
85.25		1	4	24	50	55	45	41	19	3	1	2											245
83.25			5	28	45	57	21	12	3	2	2												175
81.25		2	8	15	22	16	4	2															69
79.25			5	13	9	6	6		1														40
77.25	1		2	1	2	1			1														8
75.25			1	1																			2
TOTALS	1	3	29	104	213	266	287	288	262	156	101	85	37	29	18	11	8	6	1	2	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-BUST CIRCUMFERENCE	89.73	5.70	0.829X + 34.014	3.45	0.796
X-WAIST CIRCUMFERENCE	67.20	5.48	0.764Y - 1.347	3.32	

A BIVARIATE FREQUENCY TABLE FOR
BUST CIRCUMFERENCE AND ABDOMINAL EXTENSION CIRCUMFERENCE

ABDOMINAL EXTENSION CIRCUMFERENCE

	65	68	70	73	75	78	80	83	85	88	90	93	95	98	100	103	105	108	110	113	115	118	TOT
	.50	.50	.50	.50	.50	.50	.50	.50	.50	.50	.50	.50	.50	.50	.50	.50	.50	.50	.50	.50	.50	.50	ALS
113.25																1							1
111.25																1		3		1			5
109.25																				1			4
107.25										1		1		1	1		1	1	1	1	1		9
105.25														4	4	5	2		4	1	1		21
103.25												2	2	3	4	2	2	2	1			1	19
101.25									3	3	5	5	5	2	2	5		2					30
99.25								1	2	5	15	5	11	14	8	5	1						67
97.25						1	1	2	3	8	17	13	17	12	5	2	2						83
95.25						4	4	4	9	25	22	26	13	6	2	2							117
93.25					1	3	12	24	32	34	25	20	12	3	2								168
91.25					2	11	21	43	46	40	49	24	9	4	2	1							252
89.25		1	1	1	8	18	38	60	49	52	33	21	3										285
87.25			3	11	20	38	58	57	62	30	16	9	1										305
85.25			3	11	25	41	44	43	44	20	9	3	2										245
83.25			4	15	28	31	34	33	13	14	2	1											175
81.25		2	4	7	11	12	19	10	4														69
79.25			2	7	2	12	11	5	1														40
77.25	1			2	1	1	2				1												8
75.25						1	1																2
TOTALS	1	3	17	54	98	173	245	282	268	232	192	130	77	49	31	24	8	8	6	4	2	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-BUST CIRCUMFERENCE	89.73	5.70	0.577X + 40.309	3.86	0.737
X-ABDOMINAL EXT CIRC	85.64	7.28	0.940Y + 1.302	4.92	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
BUST CIRCUMFERENCE AND HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL

HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL

	77	79	81	83	85	87	89	91	93	95	97	99	101	103	105	107	109	111	113	115	117	TOT
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
BUST CIRCUMFERENCE																						
113.25													1									1
111.25													1									5
109.25														2	1							4
107.25														1	2							9
105.25											1	1	2	5	1	1	4	1	2		1	21
103.25											1	1	3	4	5	2		1		2		19
101.25													5	3		1	5	1				30
99.25									3	4	3	5	14	11	6	5	1					67
97.25						1		1	4	7	13	14	15	13	10	1	2	2				83
95.25								2	6	13	27	20	26	10	7	3	2					117
93.25							2	1	4	18	36	32	37	21	11	4		1	1			168
91.25																						252
89.25																						285
87.25																						305
85.25																						245
83.25																						175
81.25																						69
79.25																						40
77.25																						8
75.25																						2
TOTALS	1	3	19	42	83	157	228	281	284	260	201	138	84	55	23	15	14	5	7	4	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-BUST CIRCUMFERENCE	89.73	5.70	0.737X +	20.716	3.95
X-HIP C-7" BLW WAIST	93.64	5.59	0.707Y +	30.200	3.87

A BIVARIATE FREQUENCY TABLE FOR
BUST CIRCUMFERENCE AND HIP CIRCUMFERENCE-NINE INCHES BELOW WAIST LEVEL

HIP CIRCUMFERENCE-NINE INCHES BELOW WAIST LEVEL

	77	79	81	83	85	87	89	91	93	95	97	99	101	103	105	107	109	111	113	115	117	119	TOT
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
BUST CIRCUMFERENCE																							
113.25													1			1							1
111.25													1										5
109.25														2									4
107.25													1	1									9
105.25													1	2	1	5	1	2					21
103.25														3	1	5	2	2					19
101.25																							30
99.25																							67
97.25																							83
95.25																							117
93.25																							168
91.25																							252
89.25																							285
87.25																							305
85.25																							245
83.25																							175
81.25																							69
79.25																							40
77.25																							8
75.25																							2
TOTALS	3	3	15	28	52	110	166	224	257	259	235	209	124	91	51	30	18	12	10	3	2	3	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-BUST CIRCUMFERENCE	89.73	5.70	0.639X +	28.847	4.21
X-HIP C-9" BLW WAIST	95.27	6.02	0.712Y +	31.388	4.44

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
BUST CIRCUMFERENCE AND VERTICAL TRUNK CIRCUMFERENCE

VERTICAL TRUNK CIRCUMFERENCE

	135	137	139	141	143	145	147	149	151	153	155	157	159	161	163	165	167	169	171	173	175	177	TOT
BUST CIRCUMFERENCE	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
113.25															1								1
111.25														1			1				1		5
109.25														1						2			4
107.25												1	1							2			9
105.25											1	1	1						2	2	2	1	21
103.25											1	2			3	2	4	2	1	2		1	19
101.25								1		1	4	2	5	4	5	1			3	1	3		30
99.25								1	2		4	5	8	8	16	9	3	3	3				67
97.25							1	1	5	2	11	14	13	8	12	9	2	2	1	2			83
95.25							3		9	10	16	20	14	14	12	8	3	6	2				117
93.25					1			4	8	15	24	29	22	15	16	9	3		1				168
91.25				2	4	6	14	28	15	32	36	31	32	27	10	6	5	1	2	1			252
89.25				1	3	4	8	15	30	35	39	35	36	21	11	6	4						285
87.25				5	4	7	20	36	46	35	42	37	29	17	11	10	4	1					305
85.25				4	4	11	21	42	31	42	31	26	17	8	1	6	1						245
83.25	1	3	2	12	19	21	19	21	32	15	11	11	5		2			1					175
81.25			2	2	13	10	11	11	4	8	3	2	2	1									69
79.25	1	1	1	5	4	8	7	2	2	5	2		1	1									40
77.25					1	3		3	1														8
75.25					1	1																	2
TOTALS	2	4	15	32	65	99	152	183	197	213	208	200	166	114	108	64	25	19	19	14	4	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-BUST CIRCUMFERENCE	89.73	5.70	0.517X +	9.888	4.46
X-VERTICAL TRUNK CIR	154.43	6.87	0.751Y +	87.042	5.37

A BIVARIATE FREQUENCY TABLE FOR
BUST CIRCUMFERENCE AND VERTICAL TRUNK CIRCUMFERENCE, SITTING

VERTICAL TRUNK CIRCUMFERENCE, SITTING

	133	135	137	139	141	143	145	147	149	151	153	155	157	159	161	163	165	167	169	171	TOT
BUST CIRCUMFERENCE	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
113.25																1					1
111.25											1				1			2	1		5
109.25											1				1	1				1	4
107.25											1	1			1	2			2	2	9
105.25										1		4	4	1	1	1	4	2	2		21
103.25										2	4	1	3	3	4	1		1			19
101.25								2		1	5	4	2	4	4	2	4	1	1		30
99.25								2		8	6	7	9	12	15	2	2	1	1	1	67
97.25							3	1	1	9	12	19	7	11	10	4	4				83
95.25						1	2	2	10	10	18	18	19	10	12	5	3	7			117
93.25					1	6	6	9	15	20	26	32	16	14	13	6	4				168
91.25				1	8	7	14	22	27	37	30	39	25	20	10	7	3	1			252
89.25	1		3	6	10	17	24	32	42	48	31	31	21	11	6	1			1		285
87.25	1	2	6	14	21	30	42	43	40	34	25	21	14	6	5						305
85.25		4	9	11	20	38	28	35	35	26	17	9	6	2	5						245
83.25	2	3	11	14	23	26	23	18	23	12	10	6	3		1						175
81.25			9	4	6	18	13	4	8	2	3	1	1								69
79.25	3	2	1	8	4	8	3		2	5	4										40
77.25					2	1	3	1	1												8
75.25					1	1															2
TOTALS	7	11	40	67	101	163	174	186	237	225	213	157	121	87	50	31	16	7	10	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-BUST CIRCUMFERENCE	89.73	5.70	0.496X +	15.293	4.68
X-VERTICAL TRK C, SIT	150.07	6.56	0.656Y +	91.206	5.39

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
BUST CIRCUMFERENCE AND SCYE CIRCUMFERENCE

		SCYE CIRCUMFERENCE																							TOT
		28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	ALS		
BUST CIRCUMFERENCE	113.25	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	1		
	111.25														3	1	1						5		
	109.25														1	2	1						4		
	107.25												2	2	2	1	1					1	9		
	105.25											1	2	3	6	4	2		2	1			21		
	103.25											1	3	9	3	2		1					19		
	101.25										2	4	6	9	2	6			1				30		
	99.25							1		3	10	11	13	13	12	4							67		
	97.25								3	5	12	22	21	11	5	4							83		
	95.25								5	10	35	36	21	5	3	1	1						117		
	93.25						1	7	16	25	47	37	19	10	3	2	1						168		
	91.25						3	20	25	48	66	50	21	13	5	1							252		
	89.25				1		7	31	49	78	68	31	11	8			1						285		
	87.25					2	24	51	89	62	46	19	10	1									305		
	85.25			1	2	6	26	49	74	44	22	17	4										245		
	83.25			11	13	30	39	40	27	9	6												175		
	81.25			1	10	22	17	10	7	1	1												69		
	79.25	1		3	4	10	11	7	3				1										40		
	77.25			1		3	2	1	1														8		
	75.25					1		1															2		
TOTALS		1	2	1	20	36	126	229	319	315	320	238	137	77	49	23	8	1	3	1	0	1	1905		

SUMMARY STATISTICS

A BIVARIATE FREQUENCY TABLE FOR
BUST CIRCUMFERENCE AND CHEST BREADTH

		CHEST BREADTH																	TOT
		22	23	24	25	26	27	28	29	30	31	32	33	34	35	ALS			
		.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75				
BUST CIRCUMFERENCE	113.25									1	1	1	1			1	1		
	111.25												2			5	5		
	109.25												3			4	4		
	107.25									2	1	4		1	1	9	9		
	105.25							1		6	9	3	2			21	21		
	103.25						1	2	4	5	3	3	2	2		19	19		
	101.25					1	1	11	5	7	1			2		30	30		
	99.25				1	1	5	6	14	15	18	6	1			67	67		
	97.25					3	7	21	21	18	12	1				83	83		
	95.25				2	6	12	30	32	22	8	4				117	117		
	93.25			1	3	15	42	51	31	18	7					168	168		
	91.25				5	36	74	81	35	18	3					252	252		
	89.25															285	285		
	89.25		1		1	37	54	85	65	32	8	2				285	285		
	87.25		2		18	34	96	78	58	14	3	1				305	305		
	85.25				15	55	86	52	27	8						245	245		
	83.25		1		5	18	44	61	35	11		1				175	175		
	81.25			3	21	27	10	6	2							69	69		
79.25			10	7	12	6									40	40			
77.25			2	1	2	3									8	8			
75.25		1	1												2	2			
TOTALS		3	24	83	222	378	403	355	200	121	75	23	11	6	1	1905			

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-BUST CIRCUMFERENCE	89.73	5.70	2.188X	+	28.473	3.87
X-CHEST BREADTH	27.99	1.91	0.247Y	+	5.833	1.30

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
BUST CIRCUMFERENCE AND BUSTPOINT-TO-BUSTPOINT BREADTH

BUST CIRCUMFERENCE	BUSTPOINT-TO-BUSTPOINT BREADTH																								TOT
	13	13	14	14	15	15	16	16	17	17	18	18	19	19	20	20	21	21	22	22	23	23	24	24	ALS
113.25	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	1
111.25																1		1	1		1			1	5
109.25																	1	1	1					1	4
107.25															1	2			1	2	1	1			9
105.25														1	3	4	6	3	1	1	1		1		21
103.25															4	2	8	4			1				19
101.25									1			1	1	1	3	6	3	6	5	2	1				30
99.25												6	2	10	10	10	10	7	2	1	1				67
97.25									1	2	4	8	9	16	12	12	6	5	5	5	1		1		83
95.25												6	15	21	23	17	12	15	2	1	1				117
93.25						1	3	3	7	11	29	33	38	19	12	9	3								168
91.25							5	9	17	42	41	50	33	31	13	3	4	3			1				252
89.25			1			1	1	7	26	33	41	62	41	34	19	10	5	3	1						285
87.25				1	1	2	10	17	33	50	61	52	41	25	7	2	3								305
85.25	1		1			3	8	27	40	51	45	30	23	14	2										245
83.25			1	2	3	21	15	20	37	33	17	16	7	2		1									175
81.25					3	4	7	10	17	11	11	4	1	1											69
79.25		1	2	1	4	7	5	7	7	4	2														40
77.25			1		1	2	2																		8
75.25									1	1															2
TOTALS	1	1	6	4	12	40	48	96	176	214	240	264	229	192	133	93	70	39	19	13	8	3	1	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-BUST CIRCUMFERENCE	89.73	5.70	2.652X +	40.580	3.96
X-BUSTPT-BUSTPT BP	18.53	1.55	0.195Y +	1.035	1.07

A BIVARIATE FREQUENCY TABLE FOR
BUST CIRCUMFERENCE AND CHEST DEPTH

		CHEST DEPTH															TOT ALS.
		18 .75	19 .75	20 .75	21 .75	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	30 .75	31 .75	32 .75	
BUST CIRCUMFERENCE	113.25															1	1
	111.25																5
	109.25										2	1					4
	107.25									2	2	2	2	1	1		9
	105.25									1	8	5	5	2			21
	103.25						1			3	10	3	2				19
	101.25						1	5	12	9	3						30
	99.25						1	19	32	10	3						67
	97.25					2	2	13	36	19	9	2					83
	95.25		1			3	15	36	45	15	2						117
	93.25		1		3	7	45	70	34	8							168
	91.25			1	3	32	105	88	19	4							252
	89.25		1	4	21	86	125	39									285
	87.25		2	9	64	130	83	17									305
	85.25		2	27	102	83	29	2									245
83.25		3	41	83	36	11	1									175	
81.25		19	23	28	7											69	
79.25	1	10	21	5												40	
77.25		3	4			1										8	
75.25	1	1														2	
TOTALS	2	34	130	399	389	418	270	167	96	53	21	9	5	1	1	1905	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-BUST CIRCUMFERENCE	89.73	5.70	2.596X +	28.349	2.71
X-CHEST DEPTH	23.64	1.93	0.298Y -	3.095	0.92

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
BUST CIRCUMFERENCE AND STRAP LENGTH

	STRAP LENGTH															TOT ALS
	53 .25	55 .25	57 .25	59 .25	61 .25	63 .25	65 .25	67 .25	69 .25	71 .25	73 .25	75 .25	77 .25	79 .25		
BUST CIRCUMFERENCE																
113.25										1		1	1			1
111.25												2	2	1		5
109.25												2	2			4
107.25									1	1	3	3	1			9
105.25								1	1	6	5	6	2			21
103.25					1		3	2	4	5	3	1	1			19
101.25							3	2	6	8	6	4	1			30
99.25							3	12	15	22	12	1				67
97.25					2	4	13	23	22	14	4	1				83
95.25						9	16	35	27	20	8	2				117
93.25			1	1	13	20	32	50	32	15	3	1				168
91.25				9	18	31	79	60	36	12	7					252
89.25			2	11	37	74	74	63	19	4	1					285
87.25			1	16	57	87	76	43	23	1						305
85.25		1	7	32	66	57	49	21	8	3						245
83.25	2	2	9	33	54	46	20	7	2							175
81.25		3	5	14	19	19	8	1								69
79.25		3	9	6	13	5	3		1							40
77.25			1	3	2	1		1								8
75.25				2												2
TOTALS	2	11	35	127	282	355	379	321	197	112	52	21	10	1		1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-BUST CIRCUMFERENCE	89.73	5.70	1.017X +	23.396	4.07
X-STRAP LENGTH	65.22	3.92	0.481Y +	22.063	2.80

A BIVARIATE FREQUENCY TABLE FOR
BUST CIRCUMFERENCE AND INTERSCYE CURVATURE

INTERSCYE CURVATURE																			
	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	TOT	
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS	
113.25										1			1		2	1		1	
111.25																	1	5	
109.25													2	1				4	
107.25								1		1	1	1	1	2		1	1	9	
105.25							1		2	2	1	1	10	3	1			21	
103.25							1	2		5	4	3	3	3	1			19	
101.25					1		1	2	2	6	5	6	4	2	1			30	
99.25					1				2	10	13	7	12	11	3	3		67	
97.25						3	7	13	11	14	18	11	5	1				83	
95.25					2	7	7	14	19	25	14	20	5	3	1			117	
93.25		1		2	5	14	20	23	28	31	20	21	2	1				168	
91.25		1	1	3	16	10	46	40	50	37	28	14	4	1	1			252	
89.25			3	10	18	32	46	57	52	35	26	5	1					285	
87.25	1	2	7	17	29	36	63	58	31	39	17	4	1					305	
85.25			1	11	23	38	50	55	32	20	9	5		1				245	
83.25	1	3	7	12	27	29	32	29	28	4	3							175	
81.25	1		6	5	12	12	19	7	4									69	
79.25		1	2	7	5	11	5	6	3									40	
77.25				3		2	1	2										8	
75.25				1	1													2	
TOTALS	3	8	27	71	140	196	302	311	272	236	149	104	50	21	10	3	2	1905	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-BUST CIRCUMFERENCE	89.73	5.70	1.342X +	42.679	4.67
X-INTERSCYE	35.06	2.44	0.246Y +	12.985	2.00

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
BUST CIRCUMFERENCE AND BACK CURVATURE

BACK CURVATURE

	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
113.25																	1					1
111.25																2	1		1			5
109.25									1						1	1	1					4
107.25											1				1	2			4			9
105.25							1				1		4	2	4	2	2	2	2		1	21
103.25											2	1	4	4	2		3	1	1	1		19
101.25									1	1	4	5	7	5	4	1	1			1		30
99.25				1		1		6	2	4	10	7	9	9	9	4	4	1				67
97.25			1					6	4	10	9	12	12	16	4	5	3	1				83
95.25					3			4	7	4	14	19	13	24	11	11	1	2		1		117
93.25		1			1		4	10	19	24	26	21	22	15	12	10	2	1				168
91.25			2		6	13	25	34	31	44	31	34	19	5	5	2	1					252
89.25			3	2	15	15	45	53	39	43	32	23	10	2	1		1		1			285
87.25			4	8	19	19	61	59	56	32	25	12	7	2	1							305
85.25				5	7	19	29	34	44	37	34	21	4	5	1	2	1					245
83.25	1		4	8	18	24	40	30	22	14	10	2	1	1								175
81.25	1	3	2	10	8	12	16	12	2	2	1											69
79.25			3	9	3	4	5	11	1	3		1										40
77.25				1	1	2	3								1							8
75.25	1				1											1						2
TOTALS	3	4	23	48	94	126	250	279	230	226	190	136	121	59	56	20	22	5	11	1	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-BUST CIRCUMFERENCE	89.73	5.70	1.167X + 40.543	4.45	0.625
X-BACK CURVATURE	42.15	3.05	0.335Y + 12.087	2.38	

A BIVARIATE FREQUENCY TABLE FOR
CHEST CIRCUMFERENCE BELOW BUST AND WAIST CIRCUMFERENCE

WAIST CIRCUMFERENCE

	53	55	57	59	61	63	65	67	69	71	73	75	77	79	81	83	85	87	89	91	93	95	TOT
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
97.25																1							1
95.25																	1						1
93.25																		1	1			1	3
91.25													1		2	2	1	3					5
89.25										1				2	1	2	2	3					11
87.25											3	1	2	3	1	2	2	1					16
85.25									2	2	6	8	6	5	5	1	2			1			37
83.25							1		1	3	7	16	5	8	5	1	1						48
81.25						1	2	6	9	13	15	13	9	7	4								79
79.25					4	12	13	37	34	23	20	7	2	2	2								156
77.25				1	10	21	61	59	37	21	15	6	1										232
75.25			1	4	13	25	46	64	66	36	16	8	1										280
73.25				9	45	53	80	71	56	21	9	3		1									348
71.25			4	26	49	74	70	53	22	9	1	1											309
69.25		1	9	26	53	59	37	15	8														208
67.25			9	26	34	32	15	4	2														122
65.25	1	2	3	8	13	8	3	1															39
63.25			3	4	2																		9
61.25					1																		1
TOTALS	1	3	29	104	210	266	287	288	262	156	101	85	37	29	18	11	8	6	1	2	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-CHEST C. BELOW BUST	74.33	4.87	0.704X + 27.015	2.97	0.792
X-WAIST CIRCUMFERENCE	67.20	5.48	0.891Y + 0.979	3.34	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
CHEST CIRCUMFERENCE BELOW BUST AND ABDOMINAL EXTENSION CIRCUMFERENCE

		ABDOMINAL EXTENSION CIRCUMFERENCE																							TOT
		65	68	70	73	75	78	80	83	85	88	90	93	95	98	100	103	105	108	110	113	115	118	ALS	
CHEST CIRCUMFERENCE BELOW BUST	97.25	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	1	
	95.25																			1				1	
	93.25																				3			3	
	91.25																						1	1	
	89.25																							5	
	87.25														1	1	2	5	2	1	2	1			11
	85.25									1	2	3	2	7	7	7	2	2	1	2	1		1		16
	83.25									1	1	2	9	6	5	10	4	7	1	2					37
	81.25							1	3	2	11	17	16	11	7	5	3	2	2		1				48
	79.25																			1					79
	77.25					1	4	6	10	15	28	32	25	20	8	3	3	3	1						156
	75.25					1	5	11	26	44	49	38	27	15	10	4	2								232
	73.25				2	10	12	30	55	52	42	42	24	9	2										280
	71.25			1	4	15	37	51	70	76	41	28	17	6	1	1									348
	69.25		1	3	11	21	47	63	49	47	43	14	8	2											309
	67.25			5	11	26	33	56	37	21	10	6	3												208
	65.25		1	5	18	16	24	20	22	8	4	3	1												122
	63.25	1	1	2	7	6	9	7	6																39
	61.25			1	1	2	1		3	1															9
TOTALS		1	3	17	54	98	173	245	282	268	232	192	130	77	49	31	24	8	8	6	4	2	1	1905	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-CHEST C BELOW BUST	74.33	4.97	0.480X +	33.216	3.39	0.718
X-ABDOMINAL EXT CIRC	85.64	7.28	1.075Y +	5.744	5.06	

A BIVARIATE FREQUENCY TABLE FOR
CHEST CIRCUMFERENCE BELOW BUST AND HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL

		HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL																						TOT
		77	79	81	83	85	87	89	91	93	95	97	99	101	103	105	107	109	111	113	115	117	ALS	
CHEST CIRCUMFERENCE BELOW BUST	97.25														1								1	
	95.25																			1			1	
	93.25																			2			3	
	91.25																		1				5	
	89.25											1			3	2				1			11	
	87.25												1	1	1	5	2			3			16	
	85.25												6	5	2	10	2	2	3				37	
	83.25									1		3		5	5	9	8	5	3	1			48	
	81.25									3	3	5	7	14	23	11	6	6	1	3	1		79	
	79.25								3	14	22	27	32	19	19	10	4	4	4	2			156	
	77.25								5	24	43	51	48	24	17	12			4				232	
	75.25			1	1	6	14	28	48	60	46	32	31	11	1	1							280	
	73.25			1	2	14	21	51	70	64	58	41	16	8	1	1							348	
	71.25			3	7	20	44	58	55	54	40	18	8	2									309	
	69.25		2	4	12	20	39	48	38	21	18	3	2	1									208	
	67.25		1	8	15	10	25	25	23	11	4												122	
	65.25	1		1	4	11	8	6	5	2	1												39	
	63.25			1	1	2	2	3															9	
	61.25								1														1	
TOTALS		1	3	19	42	83	157	228	281	284	260	201	138	84	55	23	15	14	5	7	4	1	1905	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-CHEST C BELOW BUST	74.33	4.87	0.615X +	16.739	3.45	0.706
X-HIP C-7" BLW WAIST	93.64	5.59	0.810Y +	33.432	3.96	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
CHEST CIRCUMFERENCE BELOW BUST AND HIP CIRCUMFERENCE-NINE INCHES BELOW WAIST LEVEL

HIP CIRCUMFERENCE-NINE INCHES BELOW WAIST LEVEL

	77	79	81	83	85	87	89	91	93	95	97	99	101	103	105	107	109	111	113	115	117	119	TOT
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
CHEST CIRCUMFERENCE BELOW BUST	97.25																1						1
95.25																				1			1
93.25															1							2	3
91.25											1				2							1	5
89.25												2			2				3			1	11
87.25														2	2				1				16
85.25												2		5	3				3			1	37
83.25									1		6	3	8	7	5	6	2		1				48
81.25								3	2	8	9	12	16	14	5	4	4	2		1			79
79.25									14	19	32	34	17	11	7	8	4	3					156
77.25				2	1	1			5	13	28	35	44	39	26	17	15	2					232
75.25			1	2	1	7	16	41	35	49	44	36	22	19	5	2							280
73.25			1	4	7	9	35	50	67	58	45	34	21	12	4		1						348
71.25			2	2	12	26	45	51	55	50	33	21	9	1	1	1							309
69.25	3	1	1	5	15	32	29	42	33	23	14	8			1								208
67.25		1	7	8	10	25	21	17	18	6	7	2											122
65.25		1	2	3	6	10	6	2	4	3	1	1											39
63.25			1	2																			9
61.25								1															1
TOTALS	3	3	15	28	52	110	166	224	257	259	235	209	124	91	51	30	18	12	10	3	2	3	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-CHEST C BELOW BUST	74.33	4.87	0.535X + 23.355	3.65	0.661
X-HIP C-9" BLW WAIST	95.27	6.02	0.617Y + 34.548	4.51	

A BIVARIATE FREQUENCY TABLE FOR
CHEST CIRCUMFERENCE BELOW BUST AND VERTICAL TRUNK CIRCUMFERENCE

VERTICAL TRUNK CIRCUMFERENCE

	135	137	139	141	143	145	147	149	151	153	155	157	159	161	163	165	167	169	171	173	175	177	TOT
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
CHEST CIRCUMFERENCE BELOW BUST	97.25															1							1
95.25																			1				1
93.25																		1					3
91.25																		2					5
89.25												1	1					1					11
87.25											1							1					16
85.25										1	3	3	3	2	5	8	6						37
83.25										2	1	3	3	9	6	10	6	4	2				48
81.25						1				5	3	9	9	14	14	7	1	3	1				79
79.25						4	5	10	10	12	24	25	22	12	15	8	3	2	2	1	1		156
77.25				2		2	10	11	15	24	34	37	28	21	22	13	5	4	4				232
75.25				3	5	4	16	29	38	35	28	37	30	28	13	9	1	2	1	1			280
73.25				4	3	19	23	40	41	53	46	43	39	18	6	5	6	1	1				348
71.25		1	1	4	4	16	22	36	46	38	43	35	24	17	6	12	2						309
69.25	1	2	4	6	20	23	35	23	26	21	18	14	7	2	5		1						208
67.25				9	15	14	17	18	19	12	7	3	2	2									122
65.25		1	3	2	4	8	7	5	2	6		1											39
63.25				2	1	2	3	1															9
61.25						1																	1
TOTALS	2	4	15	32	65	99	152	183	197	213	208	200	166	114	108	64	25	19	19	14	4	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-CHEST C BELOW BUST	74.33	4.87	0.426X + 8.540	3.89	0.602
X-VERTICAL TRUNK CIR	154.43	6.87	0.849Y + 91.324	5.49	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
CHEST CIRCUMFERENCE BELOW BUST AND VERTICAL TRUNK CIRCUMFERENCE, SITTING

VERTICAL TRUNK CIRCUMFERENCE, SITTING

	133	135	137	139	141	143	145	147	149	151	153	155	157	159	161	163	165	167	169	171	TOT
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
CHEST CIRCUMFERENCE BELOW BUST	97.25														1						1
95.25																		1			1
93.25													1						1		3
91.25															1			2	1		5
89.25											1	2			1	1					11
87.25												3	3	2		2	1		4		16
85.25										5	4	5	4	6	6	2	2	2	1		37
83.25							1	2		3	2	4	10	5	8	7	6				48
81.25						2	2	1	6	7	15	13	7	12	6	6	1	1			79
79.25				2	3	4	8	14	17	28	22	19	17	9	5	5			1	1	156
77.25			1	1	3	11	17	21	29	29	38	27	22	19	3	5	5		2		232
75.25		1	3	7	12	12	32	30	30	45	39	18	23	17	6	1	3		1		280
73.25		1	5	7	16	23	33	50	57	42	42	32	23	7	9	1					348
71.25	2	4	7	12	24	45	33	35	38	45	27	16	11	4	5				1		309
69.25	3	3	8	16	23	37	23	19	32	12	14	10	2	2	4						208
67.25	1	1	12	14	14	19	19	10	15	8	6	1	2								122
65.25	1	1	2	7	4	7	6	3	5	2		1									39
63.25			3		2	3		1													9
61.25				1																	1
TOTALS	7	11	40	67	101	163	174	186	237	225	213	157	121	87	50	31	16	7	10	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-CHEST C BELOW BUST	74.33	4.87	$Y = 0.489X + 12.949$	4.36	0.551
X-VERTICAL TRK C, SIT	153.27	6.56	$X = 0.747Y + 94.842$	5.47	

A BIVARIATE FREQUENCY TABLE FOR
WAIST CIRCUMFERENCE AND ABDOMINAL EXTENSION CIRCUMFERENCE

ABDOMINAL EXTENSION CIRCUMFERENCE

	65	68	70	73	75	78	80	83	85	88	90	93	95	98	100	103	105	108	110	113	115	118	TOT
	.50	.50	.50	.50	.50	.50	.50	.50	.50	.50	.50	.50	.50	.50	.50	.50	.50	.50	.50	.50	.50	.50	ALS
WAIST CIRCUMFERENCE	95.25																			1			1
93.25																							0
91.25																					2		2
89.25																				1			1
87.25																	1	1	3	1			6
85.25													1		2	1		3	1				8
83.25													2		2	7							11
81.25													1	4	5	2	1	1					18
79.25													2	4	6	10	4	1	1				29
77.25													3	6	10	6	2	1	1			1	37
75.25													2	3	10	15	15	4					85
73.25													1	2	4	17	10	4	1		1		101
71.25					1	2	8	9	21	29	31	30	17	6	1	1							156
69.25				1	1	5	12	39	52	60	53	26	9	4									262
67.25				1	7	9	29	57	67	63	39	13	2		1								288
65.25			1	3	11	29	58	64	63	32	20	6											287
63.25			2	7	22	48	58	64	36	20	4	5											266
61.25			1	4	20	26	50	48	34	19	5	3											210
59.25			7	14	22	24	25	8	2	2													104
57.25		2	1	8	7	6	4	1															29
55.25			2		1																		3
53.25	1																						1
TOTALS	1	3	17	54	98	173	245	282	268	232	192	130	77	49	31	24	8	8	6	4	2	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WAIST CIRCUMFERENCE	67.20	5.48	$Y = 0.610X + 14.960$	3.21	0.810
X-ABDOMINAL EXT CIRC	85.64	7.28	$X = 1.077Y + 13.267$	4.27	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
 WAIST CIRCUMFERENCE AND HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL

HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL

	77	79	81	83	85	87	89	91	93	95	97	99	101	103	105	107	109	111	113	115	117	TOT
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
95.25																	1					1
93.25																						0
91.25																				1	1	2
89.25																			1			1
87.25															1				3		1	6
85.25														1	2			1	1			8
83.25											2		4	1	1	1	2					11
81.25												2	2	3	1	3	4	1		2		18
79.25											2	2	4	2	10	6	1	1	1			29
77.25										1	2	7	7	10	2	5	2					37
75.25							1			5	9	10	24	14	10	4	4	2	1		1	85
73.25				1				4	7	16	21	23	17	7	2	1						101
71.25					1		3	9	17	38	36	30	14	7	1				1			156
69.25					7	5	31	58	63	50	25	15	4	4								262
67.25					5	30	43	77	62	49	16	5	1									288
65.25			1	3	6	26	45	81	57	37	23	5	3									287
63.25		1	1	4	18	40	65	65	44	24	4											266
61.25		1	5	13	28	46	54	37	17	7	1	1										210
59.25		1	6	14	25	23	21	9	2	1	1	1										104
57.25			6	7	4	7	4	1														29
55.25				1	1	1																3
53.25	1																					1
TOTALS	1	3	19	42	83	157	228	281	284	260	201	138	84	55	23	15	14	5	7	4	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WAIST CIRCUMFERENCE	67.20	5.48	0.784X -	6.208	3.29
X-HIP C-7" BLW WAIST	93.64	5.59	0.816Y +	38.798	3.35

A BIVARIATE FREQUENCY TABLE FOR
 WAIST CIRCUMFERENCE AND HIP CIRCUMFERENCE-NINE INCHES BELOW WAIST LEVEL

HIP CIRCUMFERENCE-NINE INCHES BELOW WAIST LEVEL

	77	79	81	83	85	87	89	91	93	95	97	99	101	103	105	107	109	111	113	115	117	119	TOT
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
95.25															1								1
93.25																							0
91.25																							2
89.25																						1	1
87.25															1			1	2		1	1	6
85.25														1		1		1	1	2			8
83.25											1	3	1		2	3	1	1					11
81.25											2	3	2	2	1	3	2	2				1	18
79.25										1	2	3	2	8	6	3	2	2					29
77.25								1		1	2	4	4	9	2	8	2	2	1		1		37
75.25					1			2	3	7	17	15	15	6	8	8	4	1	1	1			85
73.25				1			2	1	4	6	16	26	16	13	11	3		1	1				101
71.25					1	1	1	10	11	22	25	38	15	20	9		3						156
69.25				1	1	3	10	17	29	51	56	35	30	18	8	2		1					262
67.25					2	4	15	32	44	67	48	37	24	11	1	2	1						288
65.25		1		5	4	13	30	45	70	48	33	27	11	1	2								287
63.25	1	1		1	15	25	35	60	52	35	26	12	3										266
61.25	1		4	6	12	23	45	40	30	17	12	3		1									210
59.25		1	6	7	16	23	20	11	12	4	1	2		1									104
57.25	1	1	2	5	1	4	8	4	2														29
55.25				1		1		1															3
53.25			1																				1
TOTALS	3	3	15	28	52	113	166	224	257	259	235	209	124	91	51	30	18	12	10	3	2	3	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WAIST CIRCUMFERENCE	67.20	5.48	0.658X +	4.514	3.79
X-HIP C-9" BLW WAIST	95.27	6.02	0.794Y +	41.913	4.16

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WAIST CIRCUMFERENCE AND UPPER THIGH CIRCUMFERENCE

		UPPER THIGH CIRCUMFERENCE															TOT
		43	45	47	49	51	53	55	57	59	61	63	65	67	69	71	
WAIST CIRCUMFERENCE	95.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
	93.25											1					1
	91.25														2		0
	89.25												1				2
	87.25													1		4	1
	85.25										1	3		2	1		6
	83.25							2	2	3	1		1		1		8
	81.25							2	2	2	1	4	3	3	1		11
	79.25							4	4	6	8	5	1	1			18
	77.25					1		2	3	14	7	4	4	2			29
	75.25					3	5	12	13	19	17	8	6	1	1		37
	73.25			1	2	2	4	15	25	24	17	9		1	1		85
	71.25					2	19	24	40	33	19	11	8				101
	69.25						2	19	24	40	33	19	11	8			156
	67.25			1	5	11	32	63	68	51	25	6					262
	65.25					5	20	52	84	62	46	13	6				288
	63.25		1	4	14	41	80	72	47	20	6	1	1				287
	61.25	1	1	5	19	63	79	57	29	11	1						266
	59.25		5	13	43	55	46	29	10	7	2						210
	57.25		6	17	27	24	17	8	2	3							104
	55.25	2	2	7	6	7	4	1									29
	53.25			1	1	1											3
TOTALS		4	15	49	122	230	338	375	307	240	121	55	27	11	7	4	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-WAIST CIRCUMFERENCE	67.20	5.48	0.887X	+	17.997	4.00
X-UPPER THIGH CIRCUM	55.48	4.22	0.526Y	+	20.126	3.08

A BIVARIATE FREQUENCY TABLE FOR
WAIST CIRCUMFERENCE AND KNEE CIRCUMFERENCE

		KNEE CIRCUMFERENCE															TOT
		30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
WAIST CIRCUMFERENCE	95.25	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
	93.25																1
	91.25																0
	89.25																2
	87.25												1				1
	85.25													1			6
	83.25						1	1		1	1		1			2	8
	81.25							2	3	2	4	2	1				11
	79.25						1	5	3	1	2	4	2				18
	77.25						1	6	5	5	6	3	3				29
	75.25					2	1	4	8	10	3	4	4	1			37
	73.25			2	1	7	8	18	13	13	5	2	1	1	1		85
	71.25			2	4	6	15	17	17	16	14	5	5				101
	69.25			1	3	15	24	31	34	25	10	7	3	2	1		156
	67.25		1	3	9	29	56	65	39	33	17	8	2				262
	65.25		1	7	19	46	56	69	48	25	9	6	2				288
	63.25		6	17	30	60	59	41	40	22	10	2					287
	61.25	1		21	54	58	58	41	24	6	3						266
	59.25	3	14	27	45	53	29	25	10	4							210
	57.25		15	18	32	20	11	3	3	2							104
	55.25	4	1	3	10	5	4	2									29
	53.25			2	1												3
TOTALS		8	39	103	208	301	324	330	244	166	90	46	29	8	4	3	2 1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-WAIST CIRCUMFERENCE	67.20	5.48	1.457X	+	14.312	4.37
X-KNEE CIRCUMFERENCE	36.30	2.27	0.249Y	+	19.568	1.81

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WAIST CIRCUMFERENCE AND CALF CIRCUMFERENCE, RIGHT

		CALF CIRCUMFERENCE, RIGHT																				TOT
		26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	TOT	
		.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS	
WAIST CIRCUMFERENCE	95.25										1										1	
	93.25																				0	
	91.25													1	1						2	
	89.25											1									1	
	87.25																			1	6	
	85.25							1			1	1		1	2		1			1	8	
	83.25								2	1	2	3									11	
	81.25						1	2	3	1	4	1	3			3					18	
	79.25							1	2	6	7	4	6	2	1						29	
	77.25			1			1	1	4	3	7	10	3	4	1	2					37	
	75.25						4	6	10	19	11	16	13	2	2	1	1				85	
	73.25				1	2	5	9	11	15	22	20	11	4	1						101	
	71.25						8	11	26	33	38	18	13	6	3						156	
	69.25			1	3	6	12	34	60	40	38	37	24	4	1		1				262	
	67.25				1	8	24	40	71	57	43	25	10	6		3					288	
	65.25			2	4	9	42	53	61	55	27	25	7	2							287	
	63.25				4	30	49	60	54	33	18	15		2	1						266	
	61.25	1	1	5	15	31	43	42	34	20	11	4	3								210	
	59.25		1	2	13	22	23	21	9	8	2	3									104	
	57.25		2	2		1	4	5	4	9	2										29	
	55.25					1	2														3	
	53.25				1																1	
TOTALS		1	4	12	45	114	217	285	356	293	233	183	94	39	15	10	2	0	1	1	1905	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-WAIST CIRCUMFERENCE	67.20	5.48	1.286X	+	23.295	4.65
X-CALF CIRCUM, RIGHT	34.14	2.25	0.216Y	+	19.628	1.91

A BIVARIATE FREQUENCY TABLE FOR
WAIST CIRCUMFERENCE AND ANKLE CIRCUMFERENCE

		ANKLE CIRCUMFERENCE																				TOT
		17	18	18	19	19	20	20	21	21	22	22	23	23	24	24	25	25	ALS			
		.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50				
WAIST CIRCUMFERENCE	95.25			1																1		
	93.25																			0		
	91.25							1						1						2		
	89.25										1									1		
	87.25										2		1				1	1	1	6		
	85.25						1			1	2		2		1				1	8		
	83.25				1				1	1	3		3	2						11		
	81.25					2	1	2	2	2	2		1	3	2			1		18		
	79.25							3	6	1	7		4	5	3					29		
	77.25				1		2	4	3	3	8		5	6	2	3				37		
	75.25				2	6	5	7	11	18	14		9	5	5	1				85		
	73.25		1	2	1	5	7	10	17	15	15		12	8	2	5	1			101		
	71.25			1	3	4	13	23	25	19	23		20	8	11	4	2			156		
	69.25			2	3	8	22	42	43	39	45		21	16	9	6	4	2		262		
	67.25			2	7	19	31	34	64	45	35		21	17	5	4	2	2		288		
	65.25		1	4	8	14	49	51	56	33	32		16	11	10	1	1			287		
	63.25	1	2	7	14	30	50	28	49	32	30		7	9	5	1	1			266		
	61.25		4	11	24	31	30	32	30	19	14		6	4	3	2				210		
	59.25		1	5	16	22	19	8	15	14	3		1							104		
	57.25		1	3	5	1	5	6	1	5	2									29		
	55.25					1	1	1												3		
	53.25				1															1		
TOTALS		1	10	39	86	143	236	251	323	247	238	125	96	61	27	13	7	2		1905		

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-WAIST CIRCUMFERENCE	67.20	5.48	1.600X	+	33.467	5.07
X-ANKLE CIRCUMFERENCE	21.09	1.29	0.089Y	+	15.104	1.19

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WAIST CIRCUMFERENCE AND VERTICAL TRUNK CIRCUMFERENCE

		VERTICAL TRUNK CIRCUMFERENCE																							TOT
WAIST CIRCUMFERENCE		135	137	139	141	143	145	147	149	151	153	155	157	159	161	163	165	167	169	171	173	175	177	TOT	
		.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS	
95.25																		1						1	
93.25																								0	
91.25																				1				2	
89.25																								1	
87.25																				1				6	
85.25											1		1			1		1		2	2	1	1	8	
83.25															2	1	4		1	1	2			11	
81.25											2				1	3	6	1	3	2				18	
79.25										1	1		1	4	5	5	3	1	2	5	1			29	
77.25										2		2	4	10	2	7	4		4					37	
75.25										7	7	10	11	8	14	15	4	5	1					85	
73.25				2		2		1	2	4	9	15	14	15	6	11	11	4	3	1	1			101	
71.25					3	1		2	8	7	15	25	22	31	18	14	8	2	2	2	1			156	
69.25							4	16	21	25	32	28	38	29	26	22	9	1	2			1		262	
67.25			4		3	8	12	35	41	43	29	38	22	21	15	6	5	2	4					288	
65.25	2		1	5	5	10	30	31	33	47	42	34	20	11	6	6	3	1						287	
63.25			2	4	13	25	44	41	41	25	22	20	17	4	5	2	1							266	
61.25			2	6	6	21	27	27	27	25	25	20	12	5	3	2	1	1						210	
59.25			2	9	17	13	15	11	9	7	11	4	4	1	1									104	
57.25				3	2	9	2	4	2	2	1	2												29	
55.25							2	1																3	
53.25						1																		1	
TOTALS		2	4	15	32	65	99	152	183	197	213	208	200	166	114	108	64	25	19	19	14	4	2	1905	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-WAIST CIRCUMFERENCE	67.20	5.48	0.478X	-	6.613	4.38
X-VERTICAL TRUNK CIR	154.43	6.87	0.752Y	+	103.889	5.50

A BIVARIATE FREQUENCY TABLE FOR
WAIST CIRCUMFERENCE AND VERTICAL TRUNK CIRCUMFERENCE, SITTING

		VERTICAL TRUNK CIRCUMFERENCE, SITTING																				TOT
WAIST CIRCUMFERENCE		133	135	137	139	141	143	145	147	149	151	153	155	157	159	161	163	165	167	169	171	ALS
		.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
95.25													1									1
93.25																						0
91.25																			1			2
89.25																						1
87.25																						6
85.25											1		1	1	1	1	1	1	1	1		8
83.25											1			3	3	1	3	1	2			11
81.25										1				2	3	5	1	1				18
79.25											3	3	4	1	7	2	4	2	1	2		29
77.25							1		1	2	7	4	7	4	5	1	3		1	1		37
75.25							1	3	7	9	13	11	12	8	14	4	3					85
73.25					2	1	4	2	4	10	13	15	18	13	6	5	5	3				101
71.25					1	2	3	7	11	21	28	23	22	16	13	5	2	1				156
69.25			1	2	3	7	17	27	22	34	26	45	26	18	22	6	3					262
67.25			3	1	2	10	21	28	40	43	41	34	19	20	7	10	2	5		1	1	288
65.25	2		3	6	8	17	25	22	33	38	45	35	22	19	5	5	2					287
63.25	1			9	13	23	36	36	37	40	21	22	16	6	2	4						266
61.25	2		2	12	21	18	32	31	20	27	17	15	4	7	2							210
59.25	2		1	5	15	15	17	14	10	7	9	3	2	3		1						104
57.25			1	5	2	7	5	3		4	1	1										29
55.25							1	1	1													3
53.25						1																1
TOTALS		7	11	40	67	101	163	174	186	237	225	213	157	121	87	50	31	16	7	10	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-WAIST CIRCUMFERENCE	67.20	5.48	0.461X	-	1.977	4.57
X-VERTICAL TRK C, SIT	150.07	6.56	0.660Y	+	105.712	5.47

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
 WAIST CIRCUMFERENCE AND BUTTOCK CIRCUMFERENCE, SITTING

BUTTOCK CIRCUMFERENCE, SITTING

	85	87	89	91	93	95	97	99	101	103	105	107	109	111	113	115	117	119	121	123	125	127	129	TOT
WAIST CIRCUMFERENCE	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
95.25																		1						1
93.25																			2					0
91.25																								2
89.25																								1
87.25																		2	1			1		6
85.25																	1	3	1					8
83.25										1		2		1	3	2	2	1						11
81.25										1		1	2	3	1	5	2	1		2				18
79.25										1		2	1	6	5	4	1	3						29
77.25										2		3	2	11	9	2	3	3					1	37
75.25					1		2	5	10	11	14	17	10	5	5	2	2							85
73.25				1		2	4	4	13	18	17	18	12	8	1	1				1				101
71.25					1	5	8	19	30	33	29	17	5	7	2									156
69.25			1	2	3	8	28	61	42	50	36	14	12	2	3									262
67.25				2	12	24	55	63	43	41	31	12	3	2										288
65.25		1	6	7	14	45	63	69	43	26	9	3	1											287
63.25	1	2	1	24	36	72	45	41	31	11	2													266
61.25	3	3	11	24	45	47	36	22	11	3														210
59.25	2	6	20	21	23	15	7	6	1	2		1												104
57.25	2	6	5	5	4	5	1	1																29
55.25			2	1																				3
53.25		1																						1
TOTALS	8	19	46	91	139	223	249	295	224	202	142	102	62	38	21	14	12	9	3	4	1	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WAIST CIRCUMFERENCE	67.20	5.48	0.698X - 2.595	3.46	0.775
X-BUTTOCK CIRC, SIT	100.00	6.09	0.862Y + 42.468	3.84	

A BIVARIATE FREQUENCY TABLE FOR
 WAIST CIRCUMFERENCE AND WAIST BREADTH

WAIST BREADTH

	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	TOT
WAIST CIRCUMFERENCE	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
95.25																1
93.25																0
91.25																2
89.25																1
87.25										1						6
85.25										1	4					8
83.25										2	5					11
81.25										5	4			1		18
79.25										2	4	12	8			29
77.25										6	14	9	8			37
75.25										4	26	32	19	2		85
73.25							6	15	40	22	18					101
71.25							12	49	54	35	6					156
69.25						4	14	61	111	60	12	1				262
67.25						1	35	136	88	25	3					288
65.25				1	1	16	75	133	59	10	1					287
63.25			1	13	46	111	79	15	1							266
61.25				31	69	82	25	3								210
59.25			5	41	36	17	4	1								104
57.25			4	12	11											29
55.25	1	1	1													3
53.25	1															1
TOTALS	2	12	99	183	334	458	335	224	129	73	36	11	6	1	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WAIST CIRCUMFERENCE	67.20	5.48	2.508X + 6.690	2.54	0.886
X-WAIST BREADTH	24.13	1.94	0.313Y + 3.093	0.90	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WAIST CIRCUMFERENCE AND WAIST DEPTH

		WAIST DEPTH														TOT
		12	13	14	15	16	17	18	19	20	21	22	23	24	25	ALS
		.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	1
WAIST CIRCUMFERENCE	95.25															1
	93.25															0
	91.25															2
	89.25											1				1
	87.25								1	1	1		2	1		6
	85.25								2		1	1	4			8
	83.25								3	3	1	2	2			11
	81.25									5	8	4	1			18
	79.25						1	6	5	11	4	1	1			29
	77.25					1	6	7	11	5	5	1			1	37
	75.25				1	6	12	36	18	6	6					85
	73.25				2	13	32	33	16	4	1					101
	71.25				5	34	55	52	9	1						156
	69.25			2	17	89	111	41	1	1						262
	67.25			4	56	131	80	16	1							288
	65.25		2	10	87	139	44	5								287
	63.25		2	42	114	91	16	1								266
61.25	1	3	55	118	31	1	1								210	
59.25	1	10	50	37	6										104	
57.25		8	14	5	2										29	
55.25		2	1												3	
53.25		1													1	
TOTALS		2	28	178	442	543	358	198	67	37	27	10	11	3	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-WAIST CIRCUMFERENCE	67.20	5.48	2.769X	+	20.090	2.93
X-WAIST DEPTH	17.01	1.67	0.258Y	-	0.324	0.89

A BIVARIATE FREQUENCY TABLE FOR
WAIST CIRCUMFERENCE AND WAIST CIRCUMFERENCE, OVER FOUNDATION GARMENT

WAIST CIRCUMFERENCE, OVER FOUNDATION GARMENT																			
WAIST CIRCUMFERENCE	55	57	59	61	63	65	67	69	71	73	75	77	79	81	83	85	87	89	TOT
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
	95.25																	1	1
	93.25																		0
	91.25																		2
	89.25												1						1
	87.25															2	1		5
	85.25														2	1	1		7
	83.25														3	4	1	1	9
	81.25												5		4	5			15
	79.25										3	4	12		6		1		25
	77.25								2	2	9	8	7	4			2		34
	75.25							1	6	17	25	13	7	1					70
	73.25							10	17	28	23	5	3						86
	71.25				2		10	30	53	21	18	1							135
	69.25			2		7	40	84	52	19	2	2							208
	67.25				10	47	87	70	21	1	1								237
	65.25			3	29	86	75	23	6	2									224
	63.25		2	17	80	85	20	8											212
	61.25		6	38	72	28	4												148
59.25	1	21	39	16	1													78	
57.25	2	9	2	1														14	
55.25	1		1															2	
TOTALS	4	38	102	210	254	236	226	157	90	81	33	34	21	13	4	6	3	1	1513

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-WAIST CIRCUMFERENCE	67.51	5.50	0.966X	+	3.528	2.06
X-WAIST CIRCUM, OFG	66.23	5.28	0.890Y	+	6.150	1.98

A BIVARIATE FREQUENCY TABLE FOR
ABDOMINAL EXTENSION CIRCUMFERENCE AND HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL

ABDOMINAL EXTENSION CIRCUMFERENCE	77	79	81	83	85	87	89	91	93	95	97	99	101	103	105	107	109	111	113	115	117	TOT
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
118.00																					1	1
115.50																					1	2
113.00																					1	4
110.50																					1	6
108.00																					1	8
105.50																					1	8
103.00																					1	24
100.50																					1	31
98.00																					1	49
95.50																					1	77
93.00																					1	130
90.50																					1	192
88.00																					1	232
85.50																					1	268
83.00																					1	282
80.50																					1	245
78.00																					1	173
75.50																					1	98
73.00																					1	54
70.50																					1	3
68.00																					1	17
65.50																					1	1
TOTALS	1	3	19	42	83	157	228	281	284	260	201	138	84	55	23	15	14	5	7	4	1	1985

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-ABDOMINAL EXT CIRC	85.64	7.28	1.079X - 15.389	4.08	0.828
X-HIP C-7" BLW WAIST	93.64	5.59	0.635Y + 39.252	3.13	

ABDOMINAL EXTENSION CIRCUMFERENCE	77	79	81	83	85	87	89	91	93	95	97	99	101	103	105	107	109	111	113	115	117	119	TOTAL
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
118.00																						1	1
115.50																							2
113.00																				2			2
110.50																1							4
108.00																							6
105.50																							8
103.00														1									24
100.50													2	2		2							31
98.00												2	4	2		1							49
95.50												5	6	7	10	4							77
93.00								1	7	8	22	37	22	19	9	4	1						130
90.50							2	6	16	35	44	42	20	20	4	3							192
88.00					1	2	6	27	28	51	50	32	24	9	2								232
85.50					5		5	18	40	61	55	36	29	13	7	3							268
83.00			1	5	3	15	32	46	57	48	36	23	10	4	1								282
80.50		1	1	2	14	36	42	49	45	24	17	11	1	2			1						245
78.00		2	3	10	25	36	34	25	20	11	2	5											173
75.50	2	1	3	6	12	15	20	12	10	12	3	1	1										98
73.00	1		4	8		8	7	6		1		1	1										54
70.50		1	3	3	3	4	1	1	1														37
68.00				1				1	1														3
65.50			1																				1
TOTALS	3	3	15	28	52	110	166	224	257	259	235	209	124	91	51	30	18	12	10	3	2	3	1905

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-ABDOMINAL EXT CIRC	85.64	7.28	0.924X - 2.387	4.70	0.764
X-HIP C-9" BLW WAIST	95.27	6.02	0.631Y + 41.231	3.88	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
ABDOMINAL EXTENSION CIRCUMFERENCE AND UPPER THIGH CIRCUMFERENCE

UPPER THIGH CIRCUMFERENCE																	
ABDOMINAL EXTENSION CIRCUMFERENCE	43	45	47	49	51	53	55	57	59	61	63	65	67	69	71	TOT	
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS	
118.00													1			1	
115.50														2		2	
113.00											1	1			1	4	
110.50													3	1		6	
108.00								1		1	1		4	1	2	8	
105.50							1		1	2	1	2	1			8	
103.00								1	6	3	5	6	1	1		24	
100.50								2	9	9	6	4		1		31	
98.00					1		5	13	6	10	8	4	1	1		49	
95.50					1	2	6	11	23	20	12	2				77	
93.00					1	5	23	19	41	26	9	6				130	
90.50				2	5	23	41	54	42	19	4	2				192	
88.00			1	2	12	37	66	62	39	11	2					232	
85.50			1	3	28	67	75	46	32	12	4					268	
83.00			7	11	35	75	67	57	24	4	2					282	
80.50		4	8	33	60	62	48	23	6	1						245	
78.00	1	2	8	28	50	38	25	9	9	3						173	
75.50	1	5	13	19	22	19	12	6	1							98	
73.00	1	2	8	17	10	9	3	3	1							54	
70.50		2	3	6	3	1	2									17	
68.00				1	2											3	
65.50	1															1	
TOTALS	4	15	49	122	230	338	375	307	240	121	55	27	11	7	4	1905	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-ABDOMINAL EXT CIRC	85.64	7.28	1.235X +	17.133	5.08	0.716
X-UPPER THIGH CIRCUM	55.48	4.22	0.415Y +	19.933	2.95	

A BIVARIATE FREQUENCY TABLE FOR
ABDOMINAL EXTENSION CIRCUMFERENCE AND KNEE CIRCUMFERENCE

KNEE CIRCUMFERENCE																	
ABDOMINAL EXTENSION CIRCUMFERENCE	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
118.00											1						1
115.50											1						2
113.00									1				1				4
110.50									1		1	1		1		1	6
108.00							1			1		3	2			1	8
105.50							1	2	1		1	3					8
103.00						1		1		5	5	2	1	1	2		24
100.50						2	5	3	5	7	4	4	1				31
98.00			1			5	9	10	8	6	4	5	1				49
95.50				2	6	10	11	16	12	10	6	3		1			77
93.00				2	9	16	30	25	25	11	8	3	1				130
90.50			2	11	18	38	43	30	25	17	7	1					192
88.00			7	11	31	44	59	33	31	12	2	1	1				232
85.50		1	9	20	42	61	56	49	19	7	4						268
83.00		2	18	29	57	58	51	40	18	7	1	1					282
80.50		11	25	45	71	37	28	16	8	3	1						245
78.00		11	11	43	37	31	23	10	4	3							173
75.50	2	7	16	26	17	11	9	7	2	1							98
73.00	3	4	11	14	10	6	4	2									54
70.50	3	2	3	3	3	3											17
68.00				2		1											3
65.50		1															1
TOTALS	8	39	103	208	301	324	330	244	166	90	46	29	8	4	3	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-ABDOMINAL EXT CIRC	85.64	7.28	1.956X +	14.639	5.78	0.609
X-KNEE CIRCUMFERENCE	36.30	2.27	0.189Y +	20.115	1.80	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
ABDOMINAL EXTENSION CIRCUMFERENCE AND CALF CIRCUMFERENCE, RIGHT

CALF CIRCUMFERENCE, RIGHT

	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
118.00															1					1
115.50												1	1							2
113.00										1	1	1	1	1	1					4
110.50																		1	1	6
108.00						1				1	1	2	1	1	1					8
105.50								2	1	1	1	1	1	2	2					8
103.00							2	2	3	6	5	2	5	2	2					24
100.50							2	2	3	7	4	8	3	1	1					31
98.00				1			2	5	6	14	10	7	2	2						49
95.50					1	6	15	15	14	11	6	6	2			1				77
93.00					1	5	13	17	25	23	28	13	3	1						130
90.50			2	4	9	21	38	42	29	29	13	2	1	2						192
88.00			1	5	17	32	48	45	36	25	15	5	2	1						232
85.50			2	8	30	39	65	45	29	31	12	7								268
83.00		1	2	3	20	32	65	57	49	25	18	9			1					282
80.50		1	1	9	31	52	42	53	25	20	10		2							245
78.00		1	3	12	22	32	31	22	21	19	5	4	1							173
75.50	1	1	3	10	10	20	16	18	9	6	3				1					98
73.00		1	2	3	9	10	13	9	5	2										54
70.50			1	1	4	7	1	2	1											17
68.00						1		2												3
65.50				1																1
TOTALS	1	4	12	45	114	217	285	356	293	233	183	94	39	15	10	2	0	1	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-ABDOMINAL EXT CIRC	85.64	7.28	1.674X +	28.488	6.23
X-CALF CIRCUM, RIGHT	34.14	2.25	0.159Y +	20.526	1.92

A BIVARIATE FREQUENCY TABLE FOR
ABDOMINAL EXTENSION CIRCUMFERENCE AND ANKLE CIRCUMFERENCE

ANKLE CIRCUMFERENCE

	17	18	18	19	19	20	20	21	21	22	22	23	23	24	24	25	25	TOT
	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	ALS
118.00											1							1
115.50							1						1					2
113.00			1							1						1	1	4
110.50									2	2								6
108.00						1			1	2	2	1			1			8
105.50					1		1	1			3	2						8
103.00				1	1		3	2	2	7	6	4						24
100.50				1		3	3	2	2	10	4	2	4					31
98.00				3	1	4	9	7	6	8	4	3	2	2				49
95.50			1	1	4	6	6	17	10	11	6	8	3	3		1		77
93.00		1		7	10	19	24	15	19	12	8	6	5	3	1			130
90.50			1	5	6	19	29	31	32	28	21	10	6	4				192
88.00			2	4	11	27	30	41	72	36	18	17	7	5	1	1		232
85.50			1	3	10	31	35	60	35	36	25	15	11	3	3			268
83.00		2	9	15	25	38	36	58	40	33	11	6	4	2	1			282
80.50		1	5	19	29	43	39	42	26	20	11	4	5	1				245
78.00		3	9	17	17	27	27	20	22	13	3	9	1	1	1			173
75.50	1	2	6	10	16	18	8	9	17	9	3	2	2					98
73.00			2	7	19	11	6	7	6	4		1						54
70.50		1	1	3	3	1	3	2	2	1								17
68.00						1	1		1									3
65.50				1														1
TOTALS	1	10	39	86	143	236	251	323	247	238	125	96	61	27	13	7	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-ABDOMINAL EXT CIRC	85.64	7.28	2.013X +	43.200	6.80
X-ANKLE CIRCUMFERENCE	21.09	1.29	0.063Y +	15.689	1.20

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
ABDOMINAL EXTENSION CIRCUMFERENCE AND VERTICAL TRUNK CIRCUMFERENCE

VERTICAL TRUNK CIRCUMFERENCE

	135	137	139	141	143	145	147	149	151	153	155	157	159	161	163	165	167	169	171	173	175	177	TOT
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
118.00																							1
115.50																		1					2
113.00																	1		1				4
110.50																	1		2			1	6
108.00															1		1		1				8
105.50																	4		2				8
103.00																	2		1				24
100.50																	3		2				31
98.00																	3		2				49
95.50																	7		1				77
93.00																	14		7				130
90.50																	15		9				192
88.00																	22		11				232
85.50																	25		11				268
83.00																	27		16				282
80.50																	30		21				245
78.00																	33		21				173
75.50																	36		21				98
73.00																	36		21				54
70.50																	36		21				17
68.00																	36		21				3
65.50																	36		21				1
TOTALS	2	4	15	32	65	99	152	183	197	213	208	200	166	114	108	64	25	19	19	14	4	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-ABDOMINAL EXT CIRC	85.64	7.28	0.633X - 12.107	5.84	0.597
X-VERTICAL TRUNK CIR	154.43	6.87	0.564Y + 106.123	5.51	

A BIVARIATE FREQUENCY TABLE FOR
ABDOMINAL EXTENSION CIRCUMFERENCE AND VERTICAL TRUNK CIRCUMFERENCE, SITTING

VERTICAL TRUNK CIRCUMFERENCE, SITTING

	133	135	137	139	141	143	145	147	149	151	153	155	157	159	161	163	165	167	169	171	TOT
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
118.00																					1
115.50																					2
113.00																					4
110.50																					6
108.00																					8
105.50																					8
103.00																					24
100.50																					31
98.00																					49
95.50																					77
93.00																					130
90.50																					192
88.00																					232
85.50																					268
83.00																					282
80.50																					245
78.00																					173
75.50																					98
73.00																					54
70.50																					17
68.00																					3
65.50																					1
TOTALS	7	11	40	67	101	163	174	186	237	225	213	157	121	87	50	31	16	7	10	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-ABDOMINAL EXT CIRC	85.64	7.28	0.604X - 4.995	6.11	0.544
X-VERTICAL TRK C, SIT	150.07	6.56	0.490Y + 108.100	5.50	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
ABDOMINAL EXTENSION CIRCUMFERENCE AND BUTTOCK CIRCUMFERENCE, SITTING

BUTTOCK CIRCUMFERENCE, SITTING

	85	87	89	91	93	95	97	99	101	103	105	107	109	111	113	115	117	119	121	123	125	127	129	TOT
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
ABDOMINAL EXTENSION CIRCUMFERENCE																								
118.00																								1
115.50																								2
113.00																								4
110.50																								6
108.00																								8
105.50																								8
103.00																								24
100.50																								31
98.00																								49
95.50																								77
93.00																								130
90.50																								192
88.00																								232
85.50																								268
83.00																								282
80.50																								245
78.00																								173
75.50																								98
73.00																								54
70.50																								17
68.00																								3
65.50																								1
TOTALS	8	19	46	91	139	223	249	295	224	202	142	102	62	38	21	14	12	9	3	4	1	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-ABDOMINAL EXT CIRC	85.64	7.28	0.958X - 10.153	4.35	0.802
X-BUTTOCK CIRC, SIT	100.00	6.09	0.670Y + 42.615	3.64	

A BIVARIATE FREQUENCY TABLE FOR
ABDOMINAL EXTENSION CIRCUMFERENCE AND HIP BREADTH

HIP BREADTH

	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
ABDOMINAL EXTENSION CIRCUMFERENCE																	
118.00																	1
115.50																	2
113.00																	4
110.50																	6
108.00																	8
105.50																	8
103.00																	24
100.50																	31
98.00																	49
95.50																	77
93.00																	130
90.50																	192
88.00																	232
85.50																	268
83.00																	282
80.50																	245
78.00																	173
75.50																	98
73.00																	54
70.50																	17
68.00																	3
65.50																	1
TOTALS	4	14	47	122	240	303	370	325	210	123	72	42	24	3	4	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-ABDOMINAL EXT CIRC	85.64	7.28	2.166X + 9.203	5.43	0.665
X-HIP BREADTH	34.97	2.22	0.203Y + 17.583	1.65	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
ABDOMINAL EXTENSION CIRCUMFERENCE AND ABDOMINAL EXTENSION DEPTH

ABDOMINAL EXTENSION CIRCUMFERENCE	ABDOMINAL EXTENSION DEPTH																TOT ALS
	15 .75	16 .75	17 .75	18 .75	19 .75	20 .75	21 .75	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	30 .75	
118.00															1		1
115.50															1		2
113.00															1		4
110.50															2		6
108.00															3		8
105.50								1							1		8
103.00								2							2		24
100.50								5							1		31
98.00								9									49
95.50								26									77
93.00								45									130
90.50								70									192
88.00								78									232
85.50								80									268
83.00								86									282
80.50								92									245
78.00								46									173
75.50								8									98
73.00								3									54
70.50								2									17
68.00								1									3
65.50																	1
TOTALS	6	25	118	247	392	398	316	175	103	55	26	19	8	10	6	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-ABDOMINAL EXT CIRC	85.64	7.28	2.823X +	26.671	4.15
X-ABDOMINAL EXT DPTH	20.89	2.12	0.239Y +	0.421	1.21

A BIVARIATE FREQUENCY TABLE FOR
ABDOMINAL EXTENSION CIRCUMFERENCE AND ABDOMINAL EXTENSION CIRCUMFERENCE OVER FOUNDATION GARMENT

ABDOMINAL EXTENSION CIRCUMFERENCE, OVER FOUNDATION GARMENT

ABDOMINAL EXTENSION CIRCUMFERENCE	ABDOMINAL EXTENSION CIRCUMFERENCE, OVER FOUNDATION GARMENT																				TOT ALS
	70 .50	73 .00	75 .50	78 .00	80 .50	83 .00	85 .50	88 .00	90 .50	93 .00	95 .50	98 .00	100 .50	103 .00	105 .50	108 .00	110 .50	113 .00	115 .50	118 .00	
118.00																				1	
115.50																				2	
113.00																				4	
110.50																				6	
108.00																				7	
105.50																				6	
103.00																				22	
100.50																				29	
98.00																				39	
95.50																				68	
93.00																				117	
90.50																				161	
88.00																				191	
85.50																				211	
83.00																				218	
80.50																				182	
78.00																				139	
75.50																				70	
73.00																				35	
70.50																				12	
68.00																				2	
TOTALS	5	18	49	89	161	209	220	207	190	120	97	58	28	26	15	5	4	5	4	3 1513	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-ABDOMINAL EXT CIRC	86.17	7.35	0.883X +	8.930	3.58
X-ABDOM EXT CIRC, OFG	87.48	7.26	0.863Y +	13.110	3.54

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST AND HIP CIRCUMFERENCE-NINE INCHES BELOW WAIST LEVEL

HIP CIRCUMFERENCE-NINE INCHES BELOW WAIST LEVEL

	77	79	81	83	85	87	89	91	93	95	97	99	101	103	105	107	109	111	113	115	117	119	TOT
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL	117.25																				1		1
115.25																			2		1	1	4
113.25																			4	1		2	7
111.25																		2	1	2			5
109.25														1	1	3	3	5	2				14
107.25													1	1	6	11	4	1					15
105.25												2	6	16	20	8	2	1					23
103.25												7	20	33	15	5	4						55
101.25												1	13	50	44	24	6						84
99.25												1	18	60	73	32	15	2					138
97.25												7	11	72	98	54	17	1					201
95.25												1	25	85	103	45	21	4					260
93.25												1	22	77	109	54	16	2					284
91.25												4	18	71	81	42	9	3					281
89.25												4	12	34	12	5	2						228
87.25												1	5	23	34	12	5	2					157
85.25												1	5	10	12	11	2	1					83
83.25												1	7	9	1								42
81.25												1	1	7	9	1							19
79.25												2		1									3
77.25												1											1
TOTALS	3	3	15	28	52	110	166	224	257	259	235	209	124	91	51	30	18	12	10	3	2	3	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-HIP C-7" BLW WAIST	93.64	5.59	0.872X + 10.559	1.92	0.939
X-HIP C-9" BLW WAIST	95.27	6.02	1.011Y + 0.606	2.07	

A BIVARIATE FREQUENCY TABLE FOR
HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL AND UPPER THIGH CIRCUMFERENCE

UPPER THIGH CIRCUMFERENCE

	43	45	47	49	51	53	55	57	59	61	63	65	67	69	71	TOT
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL	117.25															1
115.25														2	2	4
113.25													1	1	3	7
111.25													1	4		5
109.25												3	9	2		14
107.25									1	2	3	1	3	2	3	15
105.25									2	3	6	11	1			23
103.25									2	4	13	19	13	4		55
101.25									6	10	22	26	15	5		84
99.25									1	4	13	31	7	1		138
97.25									4	3	35	60	69	24	4	201
95.25									2	25	82	91	51	8	1	260
93.25									16	61	108	64	24	4		284
91.25									1	8	36	121	77	34	4	281
89.25									1	2	20	75	82	38	8	228
87.25									1	12	32	65	34	11	2	157
85.25									4	10	35	22	8	3		83
83.25									3	17	15	7				42
81.25									2	4	7	5	1			19
79.25									1	2						3
77.25									1							1
TOTALS	4	15	49	122	230	338	375	367	240	121	55	27	11	7	4	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-HIP C-7" BLW WAIST	93.64	5.59	1.146X + 30.061	2.80	0.865
X-UPPER THIGH CIRCUM	55.48	4.22	0.654Y - 5.763	2.11	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL AND KNEE CIRCUMFERENCE

		KNEE CIRCUMFERENCE																			TOT
		30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	ALS			
		.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75				
HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL	117.25											3	1		1			1			
	115.25												2					4			
	113.25									1			2	2	1	1		7			
	111.25											1	2	1			1	5			
	109.25								2	3	1	2	2	1	1	1	1	14			
	107.25							1	2	1	3	2	6					15			
	105.25				1			1	1	6	6	2	3	1		1		23			
	103.25						3	8	6	13	14	8	1	1	1			55			
	101.25					1	2	10	15	22	18	10	5	1				84			
	99.25			1	2	7	14	31	30	29	10	9	5					138			
	97.25			1	3	10	37	51	43	32	18	4	1	1				201			
	95.25			1	7	27	53	71	51	32	15	2	1					260			
	93.25			8	15	48	65	74	47	20	5	2						284			
	91.25		1	10	34	79	69	47	37	4								281			
	89.25		6	26	52	61	47	25	8	2		1						228			
	87.25	1	7	22	46	47	22	9	2	1								157			
	85.25		13	17	29	12	10	2										83			
83.25	1	5	13	13	9	1											42				
81.25	5	5	4	5													19				
79.25	1	1		1													3				
77.25		1															1				
TOTALS		8	39	193	298	301	324	330	244	166	90	46	29	8	4	3	2	1905			

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-HIP C-7" BLW WAIST	93.64	5.59	1.858X	+	26.188	3.67
X-KNEE CIRCUMFERENCE	36.30	2.27	0.306Y	+	7.649	1.49

A BIVARIATE FREQUENCY TABLE FOR
HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL AND CALF CIRCUMFERENCE, RIGHT

		CALF CIRCUMFERENCE, RIGHT																			TOT
		26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	ALS
HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL	117.25	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	1
	115.25												2		1	1					4
	113.25													3		1					7
	111.25												2	2		2			1		5
	109.25							1	1	1	2	1	1	2	4	1	1				14
	107.25					1	1	1	1	2	4	1	4								15
	105.25								2	7	7	5	1		1						23
	103.25							3	5	4	13	13	12	3	1	1					55
	101.25				1	1	1	2	5	10	20	24	10	8	1	1					84
	99.25					3	7	19	32	37	20	14	2	3	1						138
	97.25				3	1	16	40	41	38	33	19	7	1	1	1					201
	95.25				1	2	12	36	51	57	38	40	15	5	1	2					260
	93.25				2	7	20	49	80	57	40	21	6	2							284
	91.25				3	15	42	63	73	43	23	12	6	1							281
	89.25			1	4	28	56	47	48	28	10	4	1	1							228
	87.25		1	2	13	22	48	32	22	12	3	2									157
	85.25		1	2	9	17	23	22	6	3											83
	83.25			3	7	14	5	7	4	2											42
	81.25	1	2	3	3	5	4														19
	79.25			1	1		1														3
	77.25				1																1
TOTALS		1	4	12	45	114	217	285	356	293	233	183	94	39	15	10	2	0	1	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-HIP C-7" BLW WAIST	93.64	5.59	1.671X	+	36.582	4.14
X-CALF CIRCUM, RIGHT	34.14	2.25	0.270Y	+	8.862	1.66

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL AND ANKLE CIRCUMFERENCE

ANKLE CIRCUMFERENCE

		17	18	18	19	19	20	20	21	21	22	22	23	23	24	24	25	25	TOT
		.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	ALS
HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL	117.25										1								1
	115.25							1		1		1					1		4
	113.25										2			1				2	7
	111.25										2	1	1				1		5
	109.25			1		1			1	1	3	2	2	2		1			14
	107.25						2	2		2	4	1	2		2		1		15
	105.25							3	1		6	4	6	3					23
	103.25					2	2	4	4	10	11	4	6	9	2	1			55
	101.25				2	3	1	3	16	13	14	11	7	8	5	1			84
	99.25				1	4	10	18	19	11	30	17	13	5	6	4			138
	97.25		1		3	5	14	29	43	27	30	18	15	8	4	2	2		201
	95.25			1	2	13	28	38	39	47	35	26	18	6	2	3	2		260
	93.25				3	9	12	35	33	59	49	40	21	10	9	3	1		284
	91.25				3	9	20	46	42	59	37	31	13	12	6	2			281
	89.25				7	18	30	39	32	51	23	17	4	3	3	1			228
	87.25			2	7	18	28	28	25	20	17	9	1	1	1				157
	85.25			3	6	10	16	17	14	7	6	3	1						83
83.25				5	11	9	10	5	4	2								42	
81.25			2	5	3	4	3	2										19	
79.25	1	1					1											3	
77.25			1															1	
TOTALS		1	10	39	86	143	236	251	323	247	238	125	96	61	27	13	7	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-HIP C-7" BLW WAIST	93.64	5.59	2.131X	+	48.704	0.492
X-ANKLE CIRCUMFERENCE	21.09	1.29	0.112Y	+	10.504	1.12

A BIVARIATE FREQUENCY TABLE FOR
HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL AND VERTICAL TRUNK CIRCUMFERENCE

VERTICAL TRUNK CIRCUMFERENCE

HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL		VERTICAL TRUNK CIRCUMFERENCE																					TOT ALS
		135 .25	137 .25	139 .25	141 .25	143 .25	145 .25	147 .25	149 .25	151 .25	153 .25	155 .25	157 .25	159 .25	161 .25	163 .25	165 .25	167 .25	169 .25	171 .25	173 .25	175 .25	177 .25
117.25																			1				1
115.25																			2				4
113.25																			1	2	2		7
111.25																				1	1	1	5
109.25																				2	2		14
107.25																				2	2	1	15
105.25																							23
103.25																							55
101.25																							84
99.25																							138
97.25																							201
95.25																							260
93.25																							284
91.25																							281
89.25																							228
87.25																							157
85.25																							83
83.25																							42
81.25																							19
79.25																							3
77.25																							1
TOTALS	2	4	15	32	65	99	152	183	197	213	208	200	166	114	100	64	25	19	19	14	4	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-HIP C-7" BLW WAIST	93.64	5.59	0.566X	+	6.231	0.696
X-VERTICAL TRUNK CIR	154.43	6.87	0.856Y	+	74.274	4.93

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL AND VERTICAL TRUNK CIRCUMFERENCE, SITTING

VERTICAL TRUNK CIRCUMFERENCE, SITTING

	133	135	137	139	141	143	145	147	149	151	153	155	157	159	161	163	165	167	169	171	TOT
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL	117.25																1				1
115.25																1	1		2		4
113.25																2	1	2	1		7
111.25																2	1				5
109.25																1	2	1			14
107.25								1		3	1	4	2	2	1	3	1				15
105.25									1	1	3	6	3	2	3	1	1	1			23
103.25									1	4	3	8	7	10	9	2	5	1	2	3	55
101.25					1		3			6	10	12	16	9	12	8	4	2		1	84
99.25					1	2	3	4	19	18	25	20	15	19	6	4	2				138
97.25					3	9	9	13	24	30	33	26	18	14	11	5	3	1	2		201
95.25			1	3	4	9	20	33	42	32	45	25	21	14	9	2					260
93.25		1	2	5	13	18	30	42	36	47	36	23	17	9	3	1				1	284
91.25			2	11	15	39	34	40	43	41	22	16	13	2	3						281
89.25	1	3	5	15	23	35	37	29	32	20	15	9	2	1	1						228
87.25		4	13	11	13	27	20	12	21	14	12	5	4	1							157
85.25		1	7	7	15	17	12	10	6	3	2	1	2								83
83.25	4	1	4	9	8	6	5	1	4												42
81.25		1	5	6	4	1	1			1											19
79.25	2		1																		3
77.25					1																1
TOTALS	7	11	40	67	101	163	174	186	237	225	213	157	121	87	50	31	16	7	10	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-HIP C-7" BLW WAIST	93.64	5.59	0.545X +	11.850	4.29
X-VERTICAL TRK C, SIT	150.07	6.56	0.751Y +	79.745	5.04

A BIVARIATE FREQUENCY TABLE FOR
HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL AND BUTTOCK CIRCUMFERENCE, SITTING

BUTTOCK CIRCUMFERENCE, SITTING

	85	87	89	91	93	95	97	99	101	103	105	107	109	111	113	115	117	119	121	123	125	127	129	TCT
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL	117.25																			1				1
115.25																		1	2					4
113.25																		2	2	1		1		7
111.25																		1	3	1				5
109.25																		2	2	1				14
107.25														2	2	4	5	2						15
105.25												1	6	5	4	1	5	1						23
103.25											2	16	17	14	4	2								55
101.25										4	11	31	22	11	3	2								84
99.25						1	3	6	44	42	26	9	5	2										138
97.25						1	20	41	62	47	24	6												201
95.25						2	10	64	86	59	35	4												260
93.25						13	65	104	68	29	5													284
91.25						9	62	107	82	17	4													281
89.25			3	8	49	96	50	17	5															228
87.25			8	37	54	39	13	5	1															157
85.25		3	12	36	20	10	2																	83
83.25	1	8	17	9	6	1																		42
81.25	5	6	6	1	1																			19
79.25	2		1																					3
77.25			1																					1
TOTALS	8	19	46	91	139	223	249	295	224	202	142	102	62	38	21	14	12	9	3	4	1	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-HIP C-7" BLW WAIST	93.64	5.59	0.856X +	8.039	2.01
X-BUTTOCK CIRC, SIT	100.00	6.09	1.016Y +	4.863	2.20

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL AND HIP BREADTH

		HIP BREADTH																TOT ALS
		28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	
HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL	117.25															1		1
	115.25													2		2		4
	113.25											1	2	2			2	7
	111.25											1	2	1				5
	109.25									1	1	2	5	4				14
	107.25							1	1			4	4	4				15
	105.25							1		2	5	6	4	3		1		23
	103.25							3	4	10	10	18	9	1				55
	101.25							6	9	18	27	12	8	4				84
	99.25					2	2	17	28	46	21	14	6	2				138
	97.25				1	3	9	36	55	55	31	9	1	1				201
	95.25				1	4	25	74	88	44	19	4	1					260
	93.25			1	4	12	57	94	82	27	7							284
	91.25		2	2	7	45	93	80	43	7	1	1						281
	89.25			3	22	81	71	38	13									228
	87.25		1	11	41	50	36	16	2									157
	85.25		2	12	28	29	10	2										83
	83.25	1	4	10	13	13		1										42
	81.25	2	3	7	5	1		1										19
	79.25	1	1	1														3
	77.25		1															1
TOTALS		4	14	47	122	240	303	370	325	210	123	72	42	24	3	4	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-HIP C-7" BLW WAIST	93.64	5.59	2.107X +	19.958	3.07	0.836
X-HIP BREADTH	34.97	2.22	0.331Y +	3.975	1.22	

A BIVARIATE FREQUENCY TABLE FOR
HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL AND BUTTOCK DEPTH

		BUTTOCK DEPTH																TOT ALS
		15 .75	16 .75	17 .75	18 .75	19 .75	20 .75	21 .75	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	30 .75	
HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL	117.25													1				1
	115.25												1	1	1			4
	113.25										1	2	1	2			1	7
	111.25											2	2	1				5
	109.25									5	3	4	2					14
	107.25							1		5	2	6	1					15
	105.25								3	7	7	5	1					23
	103.25							6	11	12	18	6	2					55
	101.25						1	14	33	26	7	3						84
	99.25					3	13	38	51	26	7							138
	97.25				1	6	37	69	54	27	6	1						201
	95.25					31	71	106	44	6	2							260
	93.25				4	65	107	77	28	3								284
	91.25			3	30	75	114	40	14	1								281
	89.25			8	41	86	65	25	3									228
	87.25		1	20	43	57	27	7	2									157
	85.25		3	16	29	28	7											83
	83.25		1	11	20	7	2	1										42
	81.25		3	5	8	3												19
	79.25			1	2													3
	77.25	1																1
TOTALS		1	9	65	176	361	448	384	243	118	54	29	10	5	1	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-HIP C-7" BLW WAIST	93.64	5.59	2.560X +	39.484	3.20	0.820
X-BUTTOCK DEPTH	21.15	1.79	0.263Y -	3.473	1.02	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
HIP CIRCUMFERENCE -SEVEN INCHES BELOW WAIST AND HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST-OFG

HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST, OVER FOUNDATION GARMENT

	77	79	81	83	85	87	89	91	93	95	97	99	101	103	105	107	109	111	113	115	117	119	TOT
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
117.25																				1			1
115.25																				3		1	4
113.25																			1	2		3	7
111.25																			5				5
109.25																1	5	5	1				12
107.25														1	5	2	3						11
105.25													1	4	9	5							19
103.25											1	2	17	20	11	2							51
101.25										10	26	41	17	1									75
99.25								1	10														111
97.25								1	12	50	68	26	2										159
95.25								10	64	99	36	4											213
93.25								13	55	101	45	8											222
91.25					1	2		56	119	44	9												231
89.25				1	6	45	71	44	10														177
87.25				4	20	55	25	8															112
85.25				9	29	20																	58
83.25			4	9	14	2																	29
81.25			6	7																			13
79.25	1	1	1																				3
TOTALS	1	1	11	30	70	124	165	237	232	213	164	99	63	37	28	12	8	7	2	5	3	1	1513

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-HIP C-7" BLW WAIST	93.94	5.63	0.957X +	4.259	1.58
X-HIP C-7" BLW W, OFG	93.71	5.65	0.963Y +	3.246	1.56

A BIVARIATE FREQUENCY TABLE FOR
HIP CIRCUMFERENCE-NINE INCHES BELOW WAIST LEVEL AND UPPER THIGH CIRCUMFERENCE

UPPER THIGH CIRCUMFERENCE

	43	45	47	49	51	53	55	57	59	61	63	65	67	69	71	TOT
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
119.25																3
117.25															1	2
115.25													1		1	3
113.25										1			1	4	2	10
111.25										1	2	3	3	3		12
109.25							1		1	2	4	9	1			18
107.25								1	4	8	12	4	1			30
105.25								3	9	19	16	3				51
103.25								14	24	34	11	5				91
101.25						2	12	24	53	28	5					124
99.25					1	3	23	80	75	22	5					209
97.25					5	13	77	84	49	7						235
95.25					2	8	53	111	65	20						259
93.25					7	30	100	93	24	3						257
91.25																224
89.25		1		12	56	105	42	8								166
87.25			7	23	73	49	10	4								110
85.25			2	14	40	41	2		1							52
83.25			4	11	20	14	3									28
81.25			2	11	14	1										15
79.25	2	2	6	4	1											3
77.25		3														3
TOTALS	4	15	49	122	230	338	375	307	240	121	55	27	11	7	4	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-HIP C-9" BLW WAIST	95.27	6.02	1.274X +	24.597	2.70
X-UPPER THIGH CIRCUM	55.48	4.22	0.627Y -	4.260	1.89

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
HIP CIRCUMFERENCE-NINE INCHES BELOW WAIST LEVEL AND KNEE CIRCUMFERENCE

		KNEE CIRCUMFERENCE																			TOT
		30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	ALS			
		.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75				
HIP CIRCUMFERENCE-NINE INCHES BELOW WAIST LEVEL	119.25												2		1			3			
	117.25											1	1					2			
	115.25											1	1			1		3			
	113.25									2		2		4				10			
	111.25								1	1	1	6				1	1	12			
	109.25								1	2	6	4	4	1				18			
	107.25				1			2	2	6	12	3	2		1	1		30			
	105.25						2	4	7	16	9	10	3					51			
	103.25				1	2	5	13	19	23	12	10	5		1			91			
	101.25				1	3	12	26	21	29	19	11	1	1				124			
	99.25				3	11	34	49	54	35	17	4	2					209			
	97.25			2	4	22	42	76	53	21	12	2	1					235			
	95.25			4	15	38	57	80	42	21		2						259			
	93.25		1	8	34	61	79	41	27	6								257			
	91.25		3	16	31	78	49	32	12	3								224			
	89.25		5	21	47	49	32	6	5	1								166			
	87.25	1	12	26	33	27	10	1										110			
	85.25		6	13	23	9	1											52			
	83.25	3	8	8	7	1	1											28			
	81.25	1	2	5	7													15			
	79.25	1	1		1													3			
	77.25	2	1															3			
TOTALS		4	39	103	238	301	324	330	244	166	90	46	29	8	4	3	2	1905			

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-HIP C-9" BLW WAIST	95.27	6.02	2.081X	+	19.729	0.784
X-KNEE CIRCUMFERENCE	36.30	2.27	0.295Y	+	8.196	1.41

A BIVARIATE FREQUENCY TABLE FOR
HIP CIRCUMFERENCE-NINE INCHES BELOW WAIST LEVEL AND CALF CIRCUMFERENCE, RIGHT

		CALF CIRCUMFERENCE, RIGHT																			TOT ALS
		26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	
HIP CIRCUMFERENCE-NINE INCHES BELOW WAIST LEVEL	119.25	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	
	117.25											1			1	1					3
	115.25													2	3	2					2
	113.25												2	3	1	1					3
	111.25								1	1		1	3	3	2					1	10
	109.25								1		3	4	5	4	1						18
	107.25							1	1	7	12	4	2	2			1				30
	105.25					1		2	1	5	18	12	11		1						51
	103.25				1		1		8	16	23	17	12	10	1	2					91
	101.25					2	8	15	27	25	26	14	4	1	1	1	1				124
	99.25				1	3	21	38	46	36	40	15	6	2	1						209
	97.25				3	7	26	61	42	48	31	9	5	1	2						235
	95.25					4	22	38	77	51	31	17	14								259
	93.25				3	14	30	56	61	55	25	11	2								257
	91.25			1	2	16	45	61	51	25	14	8	1								224
	89.25	1	1	5	28	49	35	25	17	3	1	1									166
	87.25	1	1	22	19	28	27	8	4												110
	85.25		3	2	14	17	9	6	1												52
	83.25	1	3	2	9	7	2	2	2												28
	81.25		1	3	5																15
	79.25		1	1		1															3
	77.25	1	1	1																	3
TOTALS		1	4	12	45	114	217	285	356	293	233	183	94	39	15	10	2	0	1	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-HIP C-9" BLW WAIST	95.27	6.02	1.868X	+	31.492	0.698
X-CALF CIRCUM, RIGHT	34.14	2.25	0.260Y	+	9.373	1.61

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
HIP CIRCUMFERENCE-NINE INCHES BELOW WAIST LEVEL AND ANKLE CIRCUMFERENCE

ANKLE CIRCUMFERENCE

		HIP CIRCUMFERENCE-NINE INCHES BELOW WAIST LEVEL																	TOT ALS
		17 .50	18 .00	18 .50	19 .00	19 .50	20 .00	20 .50	21 .00	21 .50	22 .00	22 .50	23 .00	23 .50	24 .00	24 .50	25 .00	25 .50	1 ALS
119.25										1							1	1	3
117.25										1	1								2
115.25										1	1								3
113.25							1	1		2	1	2	1	1		1			10
111.25					1					4	1	3	1	1			1		12
109.25				1						2	7	2	2	1	1				18
107.25										6	7	4	2	5					30
105.25				1				4	1	6	7	9	4	3			1		51
103.25							3	4	7	8	5	7	9	4	3				91
101.25				1	1		3	9	9	11	19	9	12	8	7	2			124
99.25					7	8	9	18	11	34	13	10	7	3	3	1			209
97.25		1		4	8	17	29	40	26	27	27	13	10	4	3				235
95.25			3	4	7	14	34	46	42	40	18	15	5	2	3	2			259
93.25				2	6	11	35	31	52	41	32	17	16	10	5		1		257
91.25				3	8	18	41	35	60	42	26	10	8	6					224
89.25		1	9	11	27	31	38	45	25	20	12	4	1						166
87.25			1	2	18	23	39	28	24	18	10			1	1				110
85.25			3	8	18	21	14	17	6	2	1								52
83.25				2	7	12	13	8	3	6	1								28
81.25				2	7	4	4	3	6	1	1								15
79.25				1	4	4	6												3
77.25		1	1	1			1	1											3
TOTALS	1	10	39	86	143	236	251	323	247	238	125	96	61	27	13	7	2	1905	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-HIP C-9" BLW WAIST	95.27	6.02	2.414X	+	44.373	0.517
X-ANKLE CIRCUMFERENCE	21.09	1.29	0.111Y	+	10.510	1.10

A BIVARIATE FREQUENCY TABLE FOR
HIP CIRCUMFERENCE-NINE INCHES BELOW WAIST LEVEL AND VERTICAL TRUNK CIRCUMFERENCE

VERTICAL TRUNK CIRCUMFERENCE

		135	137	139	141	143	145	147	149	151	153	155	157	159	161	163	165	167	169	171	173	175	177	TOT
		.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
HIP CIRCUMFERENCE-NINE INCHES BELOW WAIST LEVEL	119.25																		1	1				3
	117.25																			1			1	3
	115.25																			1				3
	113.25															1								10
	111.25										1			1			1	3			2	1		12
	109.25											1		2		1	5	3	2	2	1	1		18
	107.25										1		2	7		3	4	2	2	2	1	1		30
	105.25											2	4	8		5	14	8	2	1	3	4		51
	103.25									2		8	8	11	10	12	16	12	3	3	4	1		91
	101.25								5		5	8	16	14	23	19	17	10	3	3			1	124
	99.25						3	5	6	12	21	32	36	25	35	13	11	5	2	2	1			209
	97.25			1			2	10	13	28	31	30	39	31	17	21	6	2	1		3			235
	95.25				1		5	19	28	29	38	40	42	26	15	5	5	3						259
	93.25				1		5	13	18	42	46	44	34	27	18	2	5	1	1					257
	91.25			3	5	11	17	33	41	35	24	24	13	9	3									224
	89.25	1		1	1	15	16	33	24	23	24	13	10	3	2		5		1					166
	87.25		1	4	8	14	22	26	14	14	7	4												110
	85.25			3	7	8	9	9	5	4		1			2									52
	83.25		1	1	4	6	8	3	2	1		1	1											28
	81.25			1		5	3	2	2	1					1									15
79.25	1																						3	
77.25		2	1				2																3	
TOTALS		2	4	15	32	65	99	152	183	197	213	208	200	166	114	108	64	25	19	19	14	4	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-HIP C-9" BLW WAIST	95.27	6.02	0.628X	-	1.707	0.717
X-VERTICAL TRUNK CIR	154.43	6.87	0.819Y	+	76.398	4.79

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
HIP CIRCUMFERENCE-NINE INCHES BELOW WAIST LEVEL AND VERTICAL TRUNK CIRCUMFERENCE, SITTING

VERTICAL TRUNK CIRCUMFERENCE, SITTING

	133	135	137	139	141	143	145	147	149	151	153	155	157	159	161	163	165	167	169	171	TOT
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
119.25															2				1		3
117.25																	1		1		2
115.25													1					1			3
113.25											3					2	3	1	1		10
111.25								1			2	1	2			4	2				12
109.25									1	2	1	3	2	2	6	1	1	1			18
107.25										6	3	7	4	5		2	2				30
105.25										1	5	8	14	7	4	4		3	2		51
103.25					1		3	3	2	7	15	14	14	12	5	5	2		3		91
101.25					1	2	4	1	21	13	22	12	17	18	7	4	1			1	124
99.25					1	6	10	14	25	35	32	35	17	17	10	4	3				209
97.25		1	1	2	6	13	11	28	25	40	45	25	13	9	9	3	1	1	1		235
95.25			1	6	4	19	28	36	40	44	38	15	12	10	5	1					259
93.25			1	11	15	21	30	42	47	40	11	23	13	2	1						257
91.25		2	3	14	22	32	33	34	27	17	23	6	7	3	1						224
89.25	1	2	7	8	17	33	23	15	27	12	14	3	4								166
87.25		2	14	10	15	23	20	6	11	4	2	3									110
85.25	2	2	3	5	12	8	8	3	4	3	2										52
83.25	1	1	6	7	3	5	1	2		1											28
81.25			4	4	4		2					1									15
79.25	1					1	1														3
77.25	2	1																			3
TOTALS	7	11	40	67	101	163	174	186	237	225	213	157	121	87	50	31	16	7	10	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-HIP C-9" BLW WAIST	95.27	6.02	0.604X +	4.633	4.53
X-VERTICAL TRK C,SIT	150.07	6.56	0.717Y +	81.756	4.94

A BIVARIATE FREQUENCY TABLE FOR
HIP CIRCUMFERENCE-NINE INCHES BELOW WAIST LEVEL AND BUTTOCK CIRCUMFERENCE, SITTING

BUTTOCK CIRCUMFERENCE, SITTING

	85	87	89	91	93	95	97	99	101	103	105	107	109	111	113	115	117	119	121	123	125	127	129	TOT
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
119.25																			1	1	1			3
117.25																								2
115.25																	2	1						3
113.25														1		1	1	4	1	2				10
111.25														1	2	4	2	2	1					12
109.25													2	5	5	4	2							18
107.25												5	7	5	6	3	3	1						30
105.25											1	11	20	12	4		2	1						51
103.25								1	5	23	32	16	11	2	1									91
101.25						1	1	6	33	38	30	11	2	2										124
99.25						1	13	39	83	46	19	5	2		1									209
97.25						1	3	64	81	58	25	3												235
95.25					1	12	44	97	74	21	8	2												259
93.25					5	37	106	88	14	2	1													257
91.25				1	3	89	78	28	5															224
89.25			1	14	64	67	14	4																166
87.25			11	45	39	13	2																	110
85.25	1	5	17	25	4	4																		52
83.25	2	6	11	4	5																			28
81.25	3	6	5		1																			15
79.25	1		2																					3
77.25	2	1																						3
TOTALS	8	19	46	91	139	223	249	295	224	202	142	102	62	38	21	14	12	9	3	4	1	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-HIP C-9" BLW WAIST	95.27	6.02	0.929X +	2.375	2.05
X-BUTTOCK CIRC, SIT	106.00	6.09	0.951Y +	9.393	2.08

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
HIP CIRCUMFERENCE-NINE INCHES BELOW WAIST AND HIP CIRCUMFERENCE-NINE INCHES BELOW WAIST-OFG

HIP CIRCUMFERENCE-NINE INCHES BELOW WAIST, CVER FOUNDATION GARMENT

	77	79	81	83	85	87	89	91	93	95	97	99	101	103	105	107	109	111	113	115	117	119	TOT
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
119.25																				1		2	3
117.25																					2		2
115.25																				1			3
113.25																			2	4			9
111.25																		3	4				12
109.25																3	7	1	2				13
107.25															2	10	10	1	1				24
105.25														4	18	22	2						46
103.25											1	3	31	34	7								76
101.25										1	4	49	43	10									107
99.25									1	6	51	88	22	1									169
97.25								1	63	108	23	1											197
95.25								6	48	104	43	3	1										205
93.25							1	1	44	120	29	2	1										198
91.25							2	34	95	38	3	1											173
89.25							27	69	19	4													119
87.25							50	23	1														86
85.25			1				9	4															40
83.25			4	5	22																		18
81.25			2	4	6	7	1																10
79.25																							1
77.25	1	1																					2
TOTALS	1	3	11	14	40	90	132	165	212	206	210	167	102	65	42	21	8	10	4	6	2	2	1513

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R	
Y-HIP C-9" BLW WAIST	95.59	6.04	1.012X -	0.852	1.32	0.976
X-HIP C-9" BLW W, OFG	95.30	5.83	0.941Y +	5.348	1.27	

A BIVARIATE FREQUENCY TABLE FOR
UPPER THIGH CIRCUMFERENCE AND KNEE CIRCUMFERENCE

KNEE CIRCUMFERENCE

	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
71.25												1	1				4
69.25												4	1				7
67.25									1	1	2	4	1				11
65.25									2	6	7	3	2	2	1		27
63.25						1		3			7	7	3		1		55
61.25						2	9	15	18	30	26	14	7				121
59.25			1	4	7	22	54	55	55	27	12	3					240
57.25			1	11	28	55	89	70	34	17	2						307
55.25			4	22	68	85	97	69	23	5	1						375
53.25			4	23	42	103	94	50	18	3	1						338
51.25			9	24	66	66	41	18	4								230
49.25			12	30	41	22	15	1	1								122
47.25	3	7	17	16	5	1											49
45.25	1	4	3	6													15
43.25	2	2															4
TOTALS	8	39	103	208	301	324	330	244	166	90	46	29	8	4	3	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R	
Y-UPPER THIGH CIRCUM	55.48	4.22	1.453X +	2.729	2.64	0.780
X-KNEE CIRCUMFERENCE	36.30	2.27	0.419Y +	13.057	1.42	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
UPPER THIGH CIRCUMFERENCE AND CALF CIRCUMFERENCE, RIGHT

CALF CIRCUMFERENCE, RIGHT

	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	TOT
UPPER THIGH CIRCUMFERENCE	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
71.25													2							4
69.25									1			2	2	1				1		7
67.25											2	3	1	2	2				1	11
65.25								1	1	4	6	4	5	5		1				27
63.25							3	5	13	17	11	4	2							55
61.25					3	2	8	19	27	32	22	6	1	1						121
59.25				2	2	16	27	52	52	54	19	7	4	4	1					240
57.25			1	1	11	38	66	68	62	36	16	7		1						307
55.25				1	13	27	61	113	74	44	25	13	4							375
53.25				7	16	60	87	84	47	25	9	2	1							338
51.25			2	9	36	66	46	41	20	6	2	2								230
49.25			4	13	28	33	26	13	5											122
47.25	1	2	3	8	14	11	9		1											49
45.25			3	4	4	4														15
43.25		2		2																4
TOTALS	1	4	12	45	114	217	285	356	293	233	183	94	39	15	10	2	0	1	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-UPPER THIGH CIRCUM	55.48	4.22	1.331X +	10.030	2.98
X-CALF CIRCUM, RIGHT	34.14	2.25	0.377Y +	13.229	1.58

A BIVARIATE FREQUENCY TABLE FOR
UPPER THIGH CIRCUMFERENCE AND BUTTOCK CIRCUMFERENCE, SITTING

BUTTOCK CIRCUMFERENCE, SITTING

	85	87	89	91	93	95	97	99	101	103	105	107	109	111	113	115	117	119	121	123	125	127	129	TOT
UPPER THIGH CIRCUMFERENCE	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
71.25																		1	1	1				4
69.25													1				1	2	2		1			7
67.25										1		3	2	6	5	4	4	3	1	2			1	11
65.25											1	5	3	10	11	10	8	3	2	2				27
63.25								1	6	15	29	32	20	9	3	3	2	1						55
61.25							2	3	23	43	68	43	28	19	7	1	2	1						121
59.25							2	10	22	66	69	67	41	21	3	3	2	1						240
57.25							2	3	23	43	68	43	28	19	7	1	2	1						307
55.25			1	1	9	35	75	113	74	31	22	7	5	1	1									375
53.25			4	9	28	90	104	63	25	11	3	1												338
51.25	2		5	35	57	61	34	25	6	4	1													230
49.25	2	8	17	27	33	21	10	4																122
47.25	1	7	13	16	8	3	1																	49
45.25	2	1	6	3	2	1																		15
43.25	1	3																						4
TOTALS	8	19	46	91	139	223	249	295	224	202	142	102	62	38	21	14	12	9	3	4	1	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-UPPER THIGH CIRCUM	55.48	4.22	0.590X -	3.523	2.21
X-BUTTOCK CIRC, SIT	100.00	6.09	1.228Y +	31.874	3.20

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
KNEE CIRCUMFERENCE AND CALF CIRCUMFERENCE, RIGHT

CALF CIRCUMFERENCE, RIGHT

	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	TOT
KNEE CIRCUMFERENCE	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
45.75																			1	2
44.75															2				1	3
43.75													1							4
42.75											1		2					1		8
41.75										1	2	6	5	7	7	1				29
40.75							1	2	3	5	11	13	5	2	4					46
39.75							1	1	6	17	31	26	10	2	1	1				90
38.75							4	14	32	44	44	18	8	1	1					166
37.75					1	4	11	37	63	55	46	23	4							244
36.75					5	11	44	89	79	64	29	8	1							330
35.75				2	9	33	67	105	63	30	11	3	1							324
34.75			1	1	21	57	92	76	36	13	4									301
33.75			1	13	36	72	46	27	10	2	1									208
32.75		1	4	15	29	31	18	5												183
31.75	1	2	4	12	11	8	1													39
30.75		1	2	2	2	1														8
TOTALS	1	4	12	45	114	217	285	356	293	233	183	94	39	15	10	2	0	1	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-KNEE CIRCUMFERENCE	36.30	2.27	0.799X +	9.021	1.38
X-CALF CIRCUM, RIGHT	34.14	2.25	0.786Y +	5.611	1.37

A BIVARIATE FREQUENCY TABLE FOR
CALF CIRCUMFERENCE, RIGHT AND CALF CIRCUMFERENCE, LEFT

CALF CIRCUMFERENCE, LEFT

	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	TOT
CALF CIRCUMFERENCE, RIGHT	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
44.75																		1	1
43.75																		1	1
42.75																			0
41.75																1	1		2
40.75															5	3	2		10
39.75														2	8	3			15
38.75												2	2	2	8				39
37.75												21	51	21	1				94
36.75										1	36	115	33	1					183
35.75								5	43	135	49	1							233
34.75								5	53	154	74	7							293
33.75						3	52	233	92	6									356
32.75					1	47	154	76	7										285
31.75				1	24	139	52	1											217
30.75			2	16	55	35	6												114
29.75		1	6	25	12	1													45
28.75		1	9	1	1														12
27.75			3	1															4
26.75	1																		1
TOTALS	1	5	18	43	93	225	269	338	297	251	194	93	44	22	7	3	0	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-CALF CIRCUM, RIGHT	34.14	2.25	0.947X +	1.726	0.61
X-CALF CIRCUM, LEFT	34.23	2.28	0.977Y +	0.873	0.62

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
CALF CIRCUMFERENCE, RIGHT AND ANKLE CIRCUMFERENCE

		ANKLE CIRCUMFERENCE																			TOT
		17	18	18	19	19	20	20	21	21	22	22	23	23	24	24	25	25	25	25	ALS
CALF CIRCUMFERENCE, RIGHT	44.75	.50	.03	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	1
	43.75																				1
	42.75																				1
	41.75																				0
	40.75																				2
	39.75																				1
	38.75																				10
	37.75																				15
	36.75																				39
	35.75																				94
	34.75																				183
	33.75																				233
	32.75																				293
	31.75																				356
	30.75																				285
CALF CIRCUMFERENCE, RIGHT	29.75																				217
	28.75																				114
	27.75																				45
	26.75																				12
	TOTALS	1	10	39	86	143	236	251	323	247	238	125	96	61	27	13	7	2	1905		

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-CALF CIRCUM, RIGHT	34.14	2.25	1.300X +	6.733	1.50
X-ANKLE CIRCUMFERENCE	21.09	1.29	0.428Y +	6.472	0.86

A BIVARIATE FREQUENCY TABLE FOR
VERTICAL TRUNK CIRCUMFERENCE AND VERTICAL TRUNK CIRCUMFERENCE, SITTING

VERTICAL TRUNK CIRCUMFERENCE, SITTING

		133	135	137	139	141	143	145	147	149	151	153	155	157	159	161	163	165	167	169	171	TOT
		.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
VERTICAL TRUNK CIRCUMFERENCE	177.25																					2
	175.25																					4
	173.25																					14
	171.25																					19
	169.25																					19
	167.25																					25
	165.25																					64
	163.25																					108
	161.25																					114
	159.25																					166
	157.25																					200
	155.25																					208
	153.25																					213
	151.25																					197
VERTICAL TRUNK CIRCUMFERENCE	149.25																					183
	147.25																					152
	145.25																					99
	143.25																					65
	141.25																					32
	139.25																					15
	137.25																					4
	135.25																					2
	TOTALS	7	11	40	67	101	163	174	186	237	225	213	157	121	87	50	31	16	7	10	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-VERTICAL TRUNK CIR	154.43	6.87	0.974X +	8.262	2.53
X-VERTICAL TRK C,SIT	150.07	6.56	0.887Y +	13.090	2.41

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
BUTTOCK CIRCUMFERENCE, SITTING AND HIP BREADTH

	HIP BREADTH																TOT ALS
	28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	
BUTTOCK CIRCUMFERENCE, SITTING																	
129.25															1		1
127.25																	0
125.25												1					1
123.25													1				1
121.25												1	1			1	4
119.25											3	3	3				9
117.25								1	1	1	2	1	3				12
115.25							1	1		2	2	5	3				14
113.25							2		2	2	6	7	2				21
111.25							1	3	5	5	9	7	8				38
109.25							4	7	13	12	16	6	3				62
107.25					2		7	16	29	28	11	9			1		102
105.25					1	5	11	34	40	35	14	2					142
103.25				1			11	41	62	60	23	4					202
101.25				1	7	27	63	76	38	10	2						224
99.25			1	2	23	54	104	84	19	5	3						295
97.25		1	1	10	33	83	90	28	3								249
95.25		1	4	25	70	79	32	12									223
93.25		1	7	30	59	31	10	1									139
91.25		2	12	35	30	11	1										91
89.25	1	5	13	12	11	2	2										46
87.25	1	2	6	5	4		1										19
85.25	2	2	3	1													8
TOTALS	4	14	47	122	240	303	370	325	210	123	72	42	24	3	4	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-BUTTOCK CIRC, SIT	100.00	6.09	2.319X	+	18.905	3.27
X-HIP BREADTH	34.97	2.22	0.307Y	+	4.269	1.19
						0.844

A BIVARIATE FREQUENCY TABLE FOR
BUTTOCK CIRCUMFERENCE, SITTING AND BUTTOCK CIRCUMFERENCE, SITTING, OVER FOUNDATION GARMENT

BUTTOCK CIRCUMFERENCE, SITTING, OVER FOUNDATION GARMENT

	83 .25	85 .25	87 .25	89 .25	91 .25	93 .25	95 .25	97 .25	99 .25	101 .25	103 .25	105 .25	107 .25	109 .25	111 .25	113 .25	115 .25	117 .25	119 .25	121 .25	123 .25	125 .25	127 .25	129 .25	TOT ALS
BUTTOCK CIRCUMFERENCE, SITTING																									
129.25																									1
127.25																									0
125.25																						1			1
123.25																									1
121.25																									4
119.25																									3
117.25																									9
115.25																									10
113.25																									9
111.25																									15
109.25																									36
107.25																									53
105.25																									89
103.25																									125
101.25																									157
99.25																									180
97.25																									235
95.25																									199
93.25																									166
91.25																									102
89.25																									66
87.25																									38
85.25																									11
TOTALS	1	4	19	37	86	132	180	186	250	176	136	115	70	43	32	12	11	7	4	3	3	1	2	1	1513

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-BUTTOCK CIRC, SIT	100.31	6.13	0.955X	+	5.172	1.91
X-BUTTOCK C, SIT, OFG	99.62	6.10	0.945Y	+	4.828	1.90
						0.950

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
BUTTOCK CIRCUMFERENCE, SITTING AND THIGH-TO-THIGH BREADTH, SITTING, OVER FOUNDATION GARMENT

THIGH-TO-THIGH BREADTH, SITTING, OVER FOUNDATION GARMENT

	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
BUTTOCK CIRCUMFERENCE, SITTING																						
129.25																		1				1
127.25																						0
125.25																	1					1
123.25																		1				1
121.25																		1				3
119.25																		5				9
117.25																		1				10
115.25																			3			9
113.25																						15
111.25																						36
109.25																						53
107.25																						89
105.25																						125
103.25																						157
101.25																						180
99.25																						235
97.25																						199
95.25																						166
93.25																						102
91.25																						66
89.25																						38
87.25																						11
85.25																						4
TOTALS	1	0	4	28	42	109	157	218	236	211	190	132	81	43	29	15	7	6	3	0	1	1513

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-BUTTOCK CIRC, SIT	100.31	6.13	2.053X +	23.844	2.85
X-THI-THI BR,SIT,OFG	37.25	2.65	0.382Y -	1.072	1.23

A BIVARIATE FREQUENCY TABLE FOR
SCYE CIRCUMFERENCE AND AXILLARY ARM CIRCUMFERENCE

AXILLARY ARM CIRCUMFERENCE

	26	27	28	29	30	31	32	33	34	35	36	37	38	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
SCYE CIRCUMFERENCE														
48.75														1
47.75														0
46.75														1
45.75														3
44.75														1
43.75														8
42.75														23
41.75														49
40.75														77
39.75														137
38.75														238
37.75														320
36.75														315
35.75														319
34.75														229
33.75														126
32.75														36
31.75														20
30.75														1
29.75														0
28.75														1
TOTALS	3	7	31	105	203	262	332	315	260	184	90	53	37	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-SCYE CIRCUMFERENCE	37.10	2.29	0.791X +	15.394	1.35
X-AXILLARY ARM CIRC	27.44	2.34	0.826Y -	3.204	1.38

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
SCYE CIRCUMFERENCE AND BICEPS CIRCUMFERENCE, RELAXED, RIGHT

BICEPS CIRCUMFERENCE, RELAXED, RIGHT

	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
48.75															1					1
47.75																				0
46.75																				1
45.75										1		1	1					1		3
44.75												1								1
43.75									1	2		1				1	1	1		8
42.75							1		2	6	4	4	2	1	1	1			1	23
41.75							3	2	10	7	8	11	3	3	1	1				49
40.75						4	8	17	18	14	6	7	2	1						77
39.75				1	4	9	18	33	37	13	13	8		1						137
38.75				2	11	30	59	50	40	24	15	7								238
37.75			1	6	23	67	75	78	37	23	9		1							320
36.75		1	6	16	64	72	77	53	21	3	2									315
35.75		1	12	40	82	72	67	34	5	5	1									319
34.75			5	13	52	72	55	19	9	4										229
33.75	3	8	23	38	26	19	5	4												126
32.75		3	15	11	3	4														36
31.75	1	1	6	7	5															20
30.75			1																	1
29.75																				0
28.75					1															1
TOTALS	4	19	77	174	290	332	332	280	175	98	58	40	9	7	4	3	2	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-SCYE CIRCUMFERENCE	37.10	2.29	0.738X +	18.197	1.54
X-BICEPS C, RELAXED, R	25.61	2.29	0.741Y -	1.878	1.54

A BIVARIATE FREQUENCY TABLE FOR
SCYE CIRCUMFERENCE AND BICEPS CIRCUMFERENCE, FLEXED, RIGHT

BICEPS CIRCUMFERENCE, FLEXED, RIGHT

	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
48.75																1				1
47.75																				0
46.75																		1		1
45.75												1	1	1						3
44.75												1								1
43.75								1	2		1	1			1	1	2			8
42.75								1	1	8	5	2	1	3			1		1	23
41.75							2	5	6	8	10	12	1	3	2					49
40.75						1	8	18	12	17	14	4	1	2						77
39.75				2	3	8	13	32	32	23	14	4	5	1						137
38.75				1	8	27	50	64	33	29	17	7	2							238
37.75				8	16	59	81	72	38	32	13									320
36.75		1	4	18	44	82	75	65	19	3	4									315
35.75		3	6	38	72	76	71	35	10	4	4									319
34.75	1	4	11	47	65	58	25	14	3	1										229
33.75	1	7	19	36	32	19	9	3												126
32.75		1	14	13	7	1														36
31.75	2		5	8	5															20
30.75																				1
29.75			1																	0
28.75					1															1
TOTALS	4	16	60	171	253	331	334	309	156	125	83	32	12	9	3	2	4	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-SCYE CIRCUMFERENCE	37.10	2.29	0.726X +	17.645	1.55
X-BICEPS C, FLEXED, R	26.79	2.32	0.743Y -	0.770	1.57

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
SCYE CIRCUMFERENCE AND ELBOW CIRCUMFERENCE, FLEXED

ELBOW CIRCUMFERENCE, FLEXED

	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
48.75							1									1
47.75																0
46.75												1				1
45.75							1			1	1					3
44.75						1										1
43.75						1					2		1			8
42.75						3	2	11	2	2	1		1		1	23
41.75					2	6	7	16	10	5	3					49
40.75					7	9	25	16	13	9	2					77
39.75				2	14	22	37	37	18	5	2					137
38.75			2	12	23	60	49	55	21	11	5					238
37.75			8	24	40	88	87	38	26	6	3					320
36.75		1	13	24	83	84	63	27	15	4	1					315
35.75		2	11	49	87	82	47	23	14	4						319
34.75	1	10	14	55	55	52	22	17	3							229
33.75		7	17	37	30	19	8	7	1							126
32.75	1	2	6	10	8	6	2	1								36
31.75	1	4	3	1	10	1										20
30.75				1												1
29.75																0
28.75	1															1
TOTALS	4	26	74	215	359	434	351	249	125	44	20	2	1	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-SCYE CIRCUMFERENCE	37.10	2.29	0.689X +	18.511	1.93
X-ELBOW CIRC, FLEXED	26.98	1.78	0.418Y +	11.470	1.50

A BIVARIATE FREQUENCY TABLE FOR
SCYE CIRCUMFERENCE AND FOREARM CIRCUMFERENCE, RELAXED

FOREARM CIRCUMFERENCE, RELAXED

	19	20	20	21	21	22	22	23	23	24	24	25	25	26	26	27	27	28	28	29	29	30	TOT
	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	ALS
48.75															1								1
47.75																							0
46.75																							1
45.75														1				1					3
44.75																							1
43.75												1	2				1		2			1	8
42.75												1	7	5	4	1					1	1	23
41.75							1		1	3	11	11	7	6	3	3	2		1				49
40.75							1	4	5	6	21	9	15	10	3	3							77
39.75					2	1	3	9	16	22	29	21	19	5	7	1	1	1					137
38.75				1		3	16	21	33	47	55	22	28	6	4	2							238
37.75					3	11	23	52	67	62	42	37	17	4	2								320
36.75				4	11	24	38	65	82	45	29	17											315
35.75			2	2	28	47	67	54	53	41	18	4	3										319
34.75		1	6	15	23	47	47	46	27	10	6	1											229
33.75		2	7	18	31	30	20	10	8														126
32.75		3	3	9	6	8	5	2															36
31.75	1	1	1	1	2	7	5	3															20
30.75																							1
29.75																							0
28.75																							1
TOTALS	1	7	20	52	111	176	224	263	292	238	214	123	98	38	24	11	4	2	3	1	2	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-SCYE CIRCUMFERENCE	37.10	2.29	1.20EX +	8.785	1.57
X-FOREARM C, RELAXED	23.48	1.38	0.438Y +	7.228	0.95

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
SCYE CIRCUMFERENCE AND FOREARM CIRCUMFERENCE, FLEXED

FOREARM CIRCUMFERENCE, FLEXED

	20	21	22	23	24	25	26	27	28	29	30	31	32	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
48.75							1							1
47.75														0
46.75											1			1
45.75								1	1	1				3
44.75						1								1
43.75							2	1		2	3			8
42.75					1	1	6	10	2	2			1	23
41.75				1	2	12	13	12	8		1			49
40.75				2	8	24	26	10	6	1				77
39.75			2	5	23	45	40	18	3	1				137
38.75			4	24	47	86	54	20	3					238
37.75			8	41	109	84	66	11	1					320
36.75		2	18	70	118	83	21	3						315
35.75		4	37	101	113	46	17	1						319
34.75		13	50	92	54	17	3							229
33.75	1	15	39	51	16	4								126
32.75	2	9	14	9	2									36
31.75	2	4	8	6										20
30.75		1												1
29.75														0
28.75	1													1
TOTALS	6	48	180	402	493	403	249	87	24	7	5	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-SCYE CIRCUMFERENCE	37.10	2.29	1.059X +	10.649	1.63
X-FOREARM C, FLEXED	24.98	1.52	0.467Y +	7.650	1.08

A BIVARIATE FREQUENCY TABLE FOR
AXILLARY ARM CIRCUMFERENCE AND BICEPS CIRCUMFERENCE, RELAXED, RIGHT

BICEPS CIRCUMFERENCE, RELAXED, RIGHT

	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
38.75																	1			1
37.75																				0
36.75															2	2				4
35.75													2							2
34.75										1		1		1					1	4
33.75										2	6	1	1				1			11
32.75								5	3	5	15	2	4	2	1					37
31.75						2	1	8	14	15	9	4								53
30.75					1	3	12	24	27	18	4		1							90
29.75					4	17	46	62	33	15	5									184
28.75			1	5	25	73	87	49	17	3										260
27.75			1	18	61	115	95	22	3											315
26.75			7	62	125	100	33	5												332
25.75			5	41	104	88	19	6												263
24.75		1	22	74	77	26	3													203
23.75		5	34	42	22	2														105
22.75	2	8	15	6																31
21.75	1	3	1	2																7
20.75	1	2																		3
TOTALS	4	19	77	174	290	332	332	280	175	98	58	40	9	7	4	3	2	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-AXILLARY ARM CIRC	27.44	2.34	0.909X +	4.158	1.06
X-BICEPS C, RELAXED, R	25.61	2.29	0.873Y +	1.658	1.04

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
AXILLARY ARM CIRCUMFERENCE AND BICEPS CIRCUMFERENCE, FLEXED, RIGHT

BICEPS CIRCUMFERENCE, FLEXED, RIGHT

	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
38.75																	1			1
37.75																				0
36.75															1	1	2			4
35.75											1	1								2
34.75											2					1			1	4
33.75											4	4	1	1						11
32.75								2	5	6	12	3	7	2			1			37
31.75							2	1	5	18	13	10	4							53
30.75							3	11	20	29	21	3	2	1						90
29.75				1	2		13	47	43	48	24	2	2							184
28.75				1	1	29	60	92	50	18	9									260
27.75				1	18	55	113	94	25	6	3									315
26.75				1	8	51	110	99	53	10										332
25.75		1	7	33	82	93	34	11	1	1										263
24.75		1	16	67	76	34	9													203
23.75		3	23	49	21	8	1													105
22.75	3	6	11	10	1															31
21.75		4	1	1	1															7
20.75	1	1	1																	3
TOTALS	4	16	60	171	253	331	334	309	156	125	83	32	12	9	3	2	4	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R	
Y-AXILLARY ARM CIRC	27.44	2.34	0.872X +	3.913	1.16	0.869
X-BICEPS C,FLEXED, R	26.79	2.32	0.860Y +	3.197	1.15	

A BIVARIATE FREQUENCY TABLE FOR
AXILLARY ARM CIRCUMFERENCE AND ELBOW CIRCUMFERENCE, FLEXED

ELBOW CIRCUMFERENCE, FLEXED

	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
38.75													1			1
37.75																0
36.75							1			2	1					4
35.75							1	1								2
34.75										1						4
33.75							1	2	5	1	2					11
32.75							6	10	9	7	3	1	1			37
31.75							4	19	14	8	3	2				53
30.75							5	17	23	17	12	6	3			90
29.75							19	40	41	49	25	3	2			184
28.75				4	12	42	68	57	45	19	8	5				260
27.75	1			10	30	61	82	60	42	19	8	2				315
26.75		4	15	41	82	88	61	24	13	4						332
25.75		1	11	51	53	64	39	23	17	2	2					263
24.75			12	16	46	54	37	23	10	4	1					203
23.75			3	13	20	26	21	11	10							105
22.75	1	5	3	6	11	4	1									31
21.75	1	1	2		1	1	1									7
20.75	1				1	1										3
TOTALS	4	26	74	215	359	434	351	249	125	44	20	2	1	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-AXILLARY ARM CIRC	27.44	2.34	0.626X +	10.551	2.06	0.477
X-ELBOW CIRC, FLEXED	26.98	1.78	0.364Y +	16.989	1.57	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
AXILLARY ARM CIRCUMFERENCE AND FOREARM CIRCUMFERENCE, RELAXED

FOREARM CIRCUMFERENCE, RELAXED

AXILLARY ARM CIRCUMFERENCE	19	20	20	21	21	22	22	23	23	24	24	25	25	26	26	27	27	28	28	29	29	30	TOT
	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	ALS
38.75																				1			1
37.75																							0
36.75															1				1		2		4
35.75														1									2
34.75														1								1	4
33.75												1	3	4			1						11
32.75										2	5	3	8	9	3		4	2		1			37
31.75								1	2	9	8	8	13	4	5	3							53
30.75								1	3	7	7	21	15	18	11	4	2		1				90
29.75																							184
28.75					2	6	13	24	61	49	52	29	18	4	1	1							260
27.75				1	6	10	32	55	75	59	47	23	3	2									315
26.75				8	9	36	53	67	70	52	22	9	6										332
25.75																							263
24.75	1			5	18	34	51	44	33	12	4	2											203
23.75		2	4	13	26	22	22	10	2	2	1	1											105
22.75		3	5	6	11	3	3																31
21.75			1	5		1																	7
20.75	1			1																			3
TOTALS	1	7	20	52	111	176	224	263	292	239	214	123	98	38	24	11	4	2	3	1	2	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-AXILLARY ARM CIRC	27.44	2.34	1.295X	-	2.964	1.51
X-FOREARM C, RELAXED	23.48	1.38	0.450Y	+	11.129	0.89

A BIVARIATE FREQUENCY TABLE FOR
AXILLARY ARM CIRCUMFERENCE AND FOREARM CIRCUMFERENCE, FLEXED

FOREARM CIRCUMFERENCE, FLEXED

AXILLARY ARM CIRCUMFERENCE	20	21	22	23	24	25	26	27	28	29	30	31	32	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
38.75														1
37.75														0
36.75							1			1	2			4
35.75								2						2
34.75							1			2			1	4
33.75						1	5	3	1		1			11
32.75					1	4	14	7	8	2	1			37
31.75					1	3	16	16	13	3	1			53
30.75					1	10	27	25	20	6	1			90
29.75					7	35	58	59	21	4				184
28.75				3	28	72	89	55	11	2				260
27.75					12	51	110	95	41	6				315
26.75			3	27	87	131	63	18	3					332
25.75				2	34	96	82	38	10	1				263
24.75					11	61	82	38	9	2				203
23.75		1	13	36	40	10	3	2						105
22.75		2	15	5	8	1								31
21.75			3	1	1									7
20.75		1	1	1										3
TOTALS	6	48	180	402	493	403	249	87	24	7	5	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-AXILLARY ARM CIRC	27.44	2.34	1.127X	-	0.709	1.59
X-FOREARM C, FLEXED	24.98	1.52	0.475Y	+	11.942	1.04

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
BICEPS CIRCUMFERENCE, RELAXED, RIGHT AND BICEPS CIRCUMFERENCE, FLEXED, RIGHT

BICEPS CIRCUMFERENCE, FLEXED, RIGHT

	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	TOT
BICEPS CIRCUMFERENCE, RELAXED, RIGHT	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
37.75																			1	1
36.75																				0
35.75																				2
34.75																				3
33.75																				4
32.75																				7
31.75																				9
30.75																				40
29.75																				58
28.75																				98
27.75																				175
26.75																				280
25.75																				332
24.75																				332
23.75																				290
22.75																				174
21.75																				77
20.75																				19
19.75																				4
TOTALS	4	16	60	171	253	331	334	309	156	125	83	32	12	9	3	2	4	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-BICEPS C,RELAXED,R	25.61	2.29	0.961X -	0.138	0.56
X-BICEPS C,FLEXED, R	26.79	2.32	0.979Y +	1.720	0.56

A BIVARIATE FREQUENCY TABLE FOR
BICEPS CIRCUMFERENCE, RELAXED, RIGHT AND BICEPS CIRCUMFERENCE, RELAXED, LEFT

BICEPS CIRCUMFERENCE, RELAXED, LEFT

	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	TOT
BICEPS CIRCUMFERENCE, RELAXED, RIGHT	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
37.75																				1
36.75																				0
35.75																				2
34.75																				3
33.75																				4
32.75																				7
31.75																				9
30.75																				40
29.75																				58
28.75																				98
27.75																				175
26.75																				280
25.75																				332
24.75																				332
23.75																				290
22.75																				174
21.75																				77
20.75																				19
19.75																				4
TOTALS	7	24	87	173	274	321	327	269	186	88	74	32	21	9	6	3	1	2	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-BICEPS C,RELAXED,R	25.61	2.29	0.907X +	2.336	0.70
X-BICEPS C,RELAXED,L	25.66	2.41	1.000Y +	0.051	0.74

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
BICEPS CIRCUMFERENCE, RELAXED, RIGHT AND ELBOW CIRCUMFERENCE, FLEXED

ELBOW CIRCUMFERENCE, FLEXED

	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
BICEPS CIRCUMFERENCE, RELAXED, RIGHT																
37.75															1	1
36.75																0
35.75											1	1				2
34.75									1	1	1					3
33.75							2			1	1					4
32.75							1	1	1	1			1			7
31.75							3	6								9
30.75							12	13	3	5	3	1				40
29.75				3	2		3	17	15	13	4	1				58
28.75				1	10		17	23	30	13	2	2				98
27.75			2	2	12		42	46	33	29	6	3				175
26.75			2	17	46		72	58	49	19	13	4				280
25.75			6	24	67	100	61	48	17	7	2					332
24.75		3	15	52	89	71	60	22	17	2	1					332
23.75	1	2	22	56	65	72	43	20	8	1						290
22.75	1	9	12	37	45	33	22	10	3	1	1					174
21.75		7	11	21	21	13	1	2	1							77
20.75	1	4	3	2	1	6	2									19
19.75	1	1	1		1											4
TOTALS	4	26	74	215	359	434	351	249	125	44	20	2	1	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-BICEPS C, RELAXED, R	25.61	2.29	0.663X + 7.726	1.97	0.515
X-ELBOW CIRC, FLEXED	26.98	1.78	0.400Y + 16.732	1.53	

A BIVARIATE FREQUENCY TABLE FOR
BICEPS CIRCUMFERENCE, RELAXED, RIGHT AND FOREARM CIRCUMFERENCE, RELAXED

FOREARM CIRCUMFERENCE, RELAXED

	19	20	20	21	21	22	22	23	23	24	24	25	25	26	26	27	27	28	28	29	29	30	TOT
	.50	.60	.50	.60	.50	.60	.50	.60	.50	.60	.50	.60	.50	.60	.50	.60	.50	.60	.50	.60	.50	.60	ALS
BICEPS CIRCUMFERENCE, RELAXED, RIGHT																							
37.75																							1
36.75																							0
35.75																			1	1			2
34.75																1					2		3
33.75													1		1				2				4
32.75												1	2	2	1	1							7
31.75											2	2	2	2	1								9
30.75											5	5	11	10	3	4	2						40
29.75											9	5	17	10	5	1							58
28.75						1	1	1	5	12	20	16	26	8	6	1		1					98
27.75							1	11	21	35	40	36	22	5	2	2							175
26.75						3	11	25	67	56	67	35	10	3	2	1							280
25.75																							332
24.75			1	4	7	28	76	72	71	43	23	7											332
23.75				11	30	68	62	66	37	12	3	1											290
22.75																							174
21.75																							77
20.75																							19
19.75	1	2	1																				4
TOTALS	1	7	20	52	111	176	224	263	292	238	214	123	98	38	24	11	4	2	3	1	2	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-BICEPS C, RELAXED, R	25.61	2.29	1.364X - 6.410	1.31	0.820
X-FOREARM C, RELAXED	23.48	1.38	0.493Y + 10.850	0.79	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
BICEPS CIRCUMFERENCE, RELAXED, RIGHT AND FOREARM CIRCUMFERENCE, FLEXED

FOREARM CIRCUMFERENCE, FLEXED

	20	21	22	23	24	25	26	27	28	29	30	31	32	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
BICEPS CIRCUMFERENCE, RELAXED, RIGHT														
37.75													1	1
36.75														0
35.75														2
34.75									1	1		2		3
33.75							2				1			4
32.75							2	1	3	1				7
31.75							3	3	1					9
30.75							5	16	11	5	3			40
29.75					4	13	17	19	4	1				50
28.75				1	7	26	39	19	5	1				98
27.75					5	29	63	59	15					175
26.75				22	85	101	57	14	1					280
25.75			1	5	47	137	101	37	4					332
24.75			2	24	102	127	64	12	1					332
23.75			2	52	128	79	25	4						290
22.75	1	13	59	75	22	3	1							174
21.75	1	16	35	22	3									77
20.75	3	11	5											19
19.75	1	3												4
TOTALS	6	48	180	402	493	403	249	87	24	7	5	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-BICEPS C, RELAXED, R	25.61	2.29	1.195X -	4.234	1.40
X-FOREARM C, FLEXED	24.98	1.52	0.525Y +	11.529	0.93

A BIVARIATE FREQUENCY TABLE FOR
BICEPS CIRCUMFERENCE, FLEXED, RIGHT AND BICEPS CIRCUMFERENCE, FLEXED, LEFT

BICEPS CIRCUMFERENCE, FLEXED, LEFT

	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
BICEPS CIRCUMFERENCE, FLEXED, RIGHT																				
38.75																			1	1
37.75																				0
36.75																	2	2		4
35.75																	1	1		2
34.75																				3
33.75																				9
32.75																				12
31.75																				32
30.75																				83
29.75																				125
28.75																				156
27.75																				309
26.75																				334
25.75																				331
24.75																				253
23.75																				171
22.75																				60
21.75																				16
20.75																				4
TOTALS	11	24	90	180	278	351	333	254	151	111	54	25	26	6	4	3	3	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-BICEPS C, FLEXED, R	26.79	2.32	0.920X +	2.379	0.75
X-BICEPS C, FLEXED, L	26.54	2.38	0.974Y +	0.441	0.77

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
BICEPS CIRCUMFERENCE, FLEXED, RIGHT AND ELBOW CIRCUMFERENCE, FLEXED

ELBOW CIRCUMFERENCE, FLEXED

	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
BICEPS CIRCUMFERENCE, FLEXED, RIGHT																
38.75															1	1
37.75																0
36.75										1	2	1				4
35.75							1						1			2
34.75									1	1	1					3
33.75						2	3	1	1	1		1				9
32.75						1	2	5	2	1	1					12
31.75					1	1	7	11	7	4	1					32
30.75				2	6	6	26	26	10	5	2					83
29.75				3	7	22	34	31	18	5	5					125
28.75				2	12	34	40	33	23	7	5					156
27.75		1	3	15	46	88	66	55	22	12	1					309
26.75		1	9	27	77	92	65	34	23	5	1					334
25.75		1	18	51	79	85	53	32	11	1						331
24.75	2	3	18	57	68	52	36	11	5	1						253
23.75		6	15	41	46	37	14	10	1		1					171
22.75		9	8	15	15	9	3		1							60
21.75	1	2	3	2	2	5	1									16
20.75	1	3														4
TOTALS	4	26	74	215	359	434	351	249	125	44	20	2	1	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-BICEPS C, FLEXED, R	26.79	2.32	0.718X + 7.425	1.93	0.553
X-ELBOW CIRC, FLEXED	26.98	1.78	0.426Y + 15.562	1.49	

A BIVARIATE FREQUENCY TABLE FOR
BICEPS CIRCUMFERENCE, FLEXED, RIGHT AND FOREARM CIRCUMFERENCE, RELAXED

FOREARM CIRCUMFERENCE, RELAXED

	19	20	20	21	21	22	22	23	23	24	24	25	25	26	26	27	27	28	28	29	29	30	TOT
	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	ALS
BICEPS CIRCUMFERENCE, FLEXED, RIGHT																							
38.75																							1
37.75																							0
36.75																			1	1	2		4
35.75																1							2
34.75																1							3
33.75														2	2	3	2						9
32.75												1	4	2	1	2			1				12
31.75												6	4	10	6	2	2	2					32
30.75							1	3	6	14	12	24	13	8		1	1						83
29.75						1		13	23	25	22	21	11	6	2	2		1	1				125
28.75							10	24	31	34	31	20	2	2	2								156
27.75				1		3	10	33	70	64	77	33	15	2	1								309
26.75				1		10	44	59	89	71	40	17	2										334
25.75			1	3	10	37	65	90	70	36	16	3											331
24.75			1	16	26	68	65	50	19	7	1												253
23.75		1	3	15	53	41	35	19	4														171
22.75		2	7	15	17	15	3	1															60
21.75		2	7	1	4	1	1																16
20.75	1	2	1																				4
TOTALS	1	7	20	52	111	176	224	263	292	238	214	123	98	38	24	11	4	2	3	1	2	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-BICEPS C, FLEXED, R	26.79	2.32	1.400X - 6.073	1.28	0.834
X-FOREARM C, RELAXED	23.48	1.38	0.496Y + 10.187	0.76	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
BICEPS CIRCUMFERENCE, FLEXED, RIGHT AND FOREARM CIRCUMFERENCE, FLEXED

FOREARM CIRCUMFERENCE, FLEXED

	20	21	22	23	24	25	26	27	28	29	30	31	32	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
BICEPS CIRCUMFERENCE, FLEXED, RIGHT														
38.75													1	1
37.75														0
36.75														4
35.75														2
34.75														3
33.75														9
32.75														12
31.75														32
30.75														83
29.75														125
28.75														156
27.75														309
26.75														334
25.75														331
24.75														253
23.75														171
22.75														60
21.75														16
20.75														4
TOTALS	6	48	186	402	493	403	249	87	24	7	5	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-BICEPS C, FLEXED, R	26.79	2.32	1.239X - 4.150	1.35	0.813
X-FOREARM C, FLEXED	24.98	1.52	0.534Y + 10.667	0.89	

A BIVARIATE FREQUENCY TABLE FOR
BICEPS CIRCUMFERENCE, RELAXED, LEFT AND BICEPS CIRCUMFERENCE, FLEXED, LEFT

BICEPS CIRCUMFERENCE, FLEXED, LEFT

	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
BICEPS CIRCUMFERENCE, RELAXED, LEFT																				
37.75																				1
36.75																				2
35.75																				1
34.75																				3
33.75																				6
32.75																				9
31.75																				21
30.75																				32
29.75																				74
28.75																				88
27.75																				186
26.75																				269
25.75																				327
24.75																				321
23.75																				274
22.75																				173
21.75																				87
20.75																				24
19.75																				7
TOTALS	11	24	95	196	278	351	333	254	151	111	54	25	26	6	4	3	3	3	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-BICEPS C, RELAXED, L	25.66	2.41	0.986X - 0.504	0.53	0.975
X-BICEPS C, FLEXED, L	26.54	2.38	0.964Y + 1.800	0.53	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
ELBOW CIRCUMFERENCE, FLEXED AND FOREARM CIRCUMFERENCE, RELAXED

FOREARM CIRCUMFERENCE, RELAXED

	19	20	20	21	21	22	22	23	23	24	24	25	25	26	26	27	27	28	28	29	29	30	TOT
ELBOW CIRCUMFERENCE, FLEXED	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	ALS
35.75																						1	1
34.75																							0
33.75																	1						1
32.75																							2
31.75									1	2	3	4	3	1	1	2				1			20
30.75							2		4	7	12	5	4	3	2	2							44
29.75						6	8	19	19	19	19	15	8	7	3		1						125
28.75				1	3	7	10	22	28	35	48	30	34	17	10	2	2		1		1		249
27.75			1	3	7	18	25	38	58	73	48	39	29	7	3	2							351
26.75			3	8	15	33	59	80	87	54	61	21	11	2									434
25.75		1	3	10	29	45	65	70	70	42	17	5	2										359
24.75			4	18	31	52	43	35	21	5	6												215
23.75		2	2	7	19	17	13	9	4	1													74
22.75		3	6	5	6	4	1	1															26
21.75	1	1	1		1																		4
TOTALS	1	7	20	52	111	176	224	263	292	238	214	123	98	38	24	11	4	2	3	1	2	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-ELBOW CIRC, FLEXED	26.98	1.78	0.831X +	7.468	1.37
X-FOREARM C, RELAXED	23.48	1.38	0.497Y +	10.069	1.06

A BIVARIATE FREQUENCY TABLE FOR
ELBOW CIRCUMFERENCE, FLEXED AND FOREARM CIRCUMFERENCE, FLEXED

FOREARM CIRCUMFERENCE, FLEXED

	20	21	22	23	24	25	26	27	28	29	30	31	32	TOT
ELBOW CIRCUMFERENCE, FLEXED	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
35.75													1	1
34.75														0
33.75										1				1
32.75										1	1			2
31.75						4	2	7	4		3			20
30.75					2	9	18	7	4	3	1			44
29.75				1	13	38	42	20	9	2				125
28.75				12	47	65	80	39	6					249
27.75		1	5	43	83	131	75	12	1					351
26.75		7	17	89	178	110	31	2						434
25.75		3	61	126	133	41	1							359
24.75			11	58	108	33	5							215
23.75		2	11	31	26	4								74
22.75		1	15	7	3									26
21.75		3		1										4
TOTALS	6	48	180	402	493	403	249	87	24	7	5	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-ELBOW CIRC, FLEXED	26.98	1.78	0.884X +	4.898	1.17
X-FOREARM C, FLEXED	24.98	1.52	0.643Y +	7.629	1.00

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
ELBOW CIRCUMFERENCE, FLEXED AND WRIST CIRCUMFERENCE

		WRIST CIRCUMFERENCE												TOT ALS
		12	13	13	14	14	15	15	16	16	17	17		
ELBOW CIRCUMFERENCE, FLEXED	35.75	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	1	1
	34.75												1	0
	33.75												1	1
	32.75								1				1	2
	31.75				1	1	4	3	4	5	1	1	1	20
	30.75				1	1	9	16	9	3	5			44
	29.75				2	10	29	42	22	14	4	2		125
	28.75		1	1	14	23	65	77	41	24	3			249
	27.75			4	23	68	98	102	43	12	1			351
	26.75			11	37	118	150	97	19	1	1			434
	25.75			14	71	114	101	50	8	1				359
	24.75		1	12	68	70	50	12	2					215
	23.75	1		16	30	21	10	2						74
	22.75			9	8	5	4							26
	21.75		1	1	1	1								4
TOTALS		1	3	62	256	432	520	401	149	60	16	5	1905	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-ELBOW CIRC, FLEXED	26.98	1.78	1.402X	+	5.999	1.48
X-WRIST CIRCUMFERENCE	14.96	0.71	0.223Y	+	8.947	0.59

A BIVARIATE FREQUENCY TABLE FOR
FOREARM CIRCUMFERENCE, RELAXED AND FOREARM CIRCUMFERENCE, FLEXED

FOREARM CIRCUMFERENCE, FLEXED															
	20	21	22	23	24	25	26	27	28	29	30	31	32	TOT	
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS	
FOREARM CIRCUMFERENCE, RELAXED													1	1	
30.00														1	
29.50										1	1			2	
29.00											1			1	
28.50												3		3	
28.00										2				2	
27.50									3	1				4	
27.00								2	9					11	
26.50							3	12	7	2				24	
26.00						1	14	20	2	1				38	
25.50						7	55	33	3					98	
25.00					2	35	71	15						123	
24.50					18	123	70	3						214	
24.00				2	87	118	29	2						238	
23.50				27	167	91	7							292	
23.00			3	86	158	24								263	
22.50			18	145	57	4								224	
22.00			62	102	12									176	
21.50		13	71	27										111	
21.00		17	22	13										52	
20.50	2	14	4											20	
20.00	3	4												7	
19.50	1													1	
TOTALS	6	48	180	402	493	403	249	87	24	7	5	0	1	1905	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-FOREARM C, RELAXED	23.48	1.38	0.844X	+	2.397	0.51
X-FOREARM C, FLEXED	24.98	1.52	1.025Y	+	0.912	0.56

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
FOREARM CIRCUMFERENCE, RELAXED AND WRIST CIRCUMFERENCE

		WRIST CIRCUMFERENCE												TOT
		12	13	13	14	14	15	15	16	16	17	17	TOT	
		.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	ALS	
FOREARM CIRCUMFERENCE, RELAXED	30.00											1	1	
	29.50									1		1	2	
	29.00										1	1	1	
	28.50									2	1		3	
	28.00								1		1		2	
	27.50							1		2	1		4	
	27.00						1	1	1	5	2	1	11	
	26.50					1		8	6	6	3		24	
	26.00						1	14	11	10	2		38	
	25.50				3	3	14	44	21	11	1	1	98	
	25.00				2	7	35	49	21	8	1		123	
	24.50				8	15	59	61	41	7	3		214	
	24.00			1	5	43	79	80	25	5			238	
	23.50			4	21	74	114	63	14	1	1		292	
	23.00			6	28	86	108	28	5	2			263	
	22.50			6	46	85	63	21	3				224	
	22.00		1	9	62	62	33	9					176	
	21.50		1	15	46	35	12	2					111	
	21.00			12	23	16	1						52	
	20.50			5	11	4							20	
	20.00	1	1	3	1	1							7	
	19.50			1									1	
TOTALS		1	3	62	256	432	520	401	149	60	16	5	1905	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-FOREARM C, RELAXED	23.48	1.38	1.361X +	3.112	0.98
X-WRIST CIRCUMFERENCE	14.96	0.71	0.363Y +	6.441	0.51

A BIVARIATE FREQUENCY TABLE FOR
FOREARM CIRCUMFERENCE, FLEXED AND WRIST CIRCUMFERENCE

		WRIST CIRCUMFERENCE												TOT
		12	13	13	14	14	15	15	16	16	17	17	ALS	
		.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50		
FOREARM CIRCUMFERENCE, FLEXED	32.75											1	1	
	31.75												0	
	30.75									2	1	2	5	
	29.75								4	1	2		7	
	28.75						3	5	1	10	4	1	24	
	27.75				1	2	9	38	19	14	4		87	
	26.75				7	13	55	97	58	15	2	1	249	
	25.75				12	56	143	128	45	16	3		403	
	24.75			6	43	144	181	100	18	1			493	
	23.75		2	23	100	139	108	26	3	1			402	
	22.75			17	72	64	20	7					180	
	21.75			14	20	13	1						48	
	20.75	1	1	2	1	1							6	
TOTALS		1	3	62	256	432	520	401	149	60	16	5	1905	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-FOREARM C, FLEXED	24.98	1.52	1.458X +	3.160	1.11
X-WRIST CIRCUMFERENCE	14.96	0.71	0.320Y +	6.970	0.52

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WRIST CIRCUMFERENCE AND HAND CIRCUMFERENCE

WRIST CIRCUMFERENCE	HAND CIRCUMFERENCE														TOT ALS
	15 .00	15 .50	16 .00	16 .50	17 .00	17 .50	18 .00	18 .50	19 .00	19 .50	20 .00	20 .50	21 .00	21 .50	
17.50									1		1	3		1	5
17.00									1	1	5	6	2	1	16
16.50							3	7	9	18	13	7		1	60
16.00					1		14	25	43	37	21	4	4		149
15.50					2	20	67	116	106	61	23	6			401
15.00				5	18	61	137	152	94	44	8	1			520
14.50		1	1	13	40	117	122	101	26	11					432
14.00		1	2	32	67	70	61	19	3	1					256
13.50			3	16	25	10	6	2							62
13.00	1			2											3
12.50			1												1
TOTALS	1	2	7	68	153	278	410	422	283	173	71	27	8	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WRIST CIRCUMFERENCE	14.96	0.71	0.554X + 4.814	0.50	0.706
X-HAND CIRCUMFERENCE	18.32	0.91	0.900Y + 4.852	0.64	

A BIVARIATE FREQUENCY TABLE FOR
BIACROMIAL BREADTH AND BIELTICID BREADTH

BIDELTOID BREADTH																	
BIACROMIAL BREADTH	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
	41.50										1					1	2
	41.00									1		1	1			1	4
	40.50								1			3		1			5
	40.00									2	3	1	1	2			9
	39.50								3	6	2	5		2	2		20
	39.00							2	8	7	5	10	4		1	1	38
	38.50					1	2	11	5	12	12	7	4	4	1	1	60
	38.00				1	1	5	12	19	19	9	11	4		1		82
	37.50				1	3	24	14	22	25	17	12	8		2	1	129
	37.00				1	7	21	29	40	32	22	13	4	2		1	172
	36.50			2	3	15	38	64	46	28	17	8	4	1	2		228
	36.00			1	11	27	53	40	54	28	15	8	3	1	2		244
	35.50				5	16	32	50	55	29	19	13	2	1	1		223
	35.00		2	2	7	18	46	52	38	27	12	5	2	1			212
	34.50			4	8	14	27	36	36	16	10	6	2	1			160
	34.00	1		6	8	22	30	30	23	6	5	3					134
	33.50		3	4	8	18	20	11	10	8	1		1				84
	33.00			2	12	8	7	7	7	2							45
32.50		1	5	3	7	7	2	1	1	1						28	
32.00			1	2	1	4	1	1								10	
31.50		1	2	3	1	2	1	1								11	
31.00			1	2	1		1									5	
TOTALS	1	8	29	60	122	229	334	344	287	208	130	86	36	16	10	5	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-BIACROMIAL BREADTH	35.84	1.64	0.428X + 17.921	1.31	0.605
X-BIELTICID BREADTH	41.87	2.31	0.853Y + 11.299	1.84	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
BIACROMIAL BREADTH AND CHEST BREADTH

		CHEST BREADTH																TOT
		22	23	24	25	26	27	28	29	30	31	32	33	34	35	ALS		
		.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75			
BIACROMIAL BREADTH	41.50								1	1	1						2	
	41.00									1		1		1			4	
	40.50								2		2						5	
	40.00							2	2	3	1	1					9	
	39.50						2	5	3	6	1	2	1				20	
	39.00				1	3	6	7	8	7	5	1					38	
	38.50				3	6	4	12	15	2	12		4	1	1		60	
	38.00			1	2	15	16	17	11	12	4	4					82	
	37.50			4	8	13	22	32	22	15	6	6	1				129	
	37.00			2	6	22	26	45	27	26	12	3	2	1			172	
	36.50			5	20	36	61	40	38	13	10	4			1		228	
	36.00		2	2	31	41	66	54	19	16	9		2	2			244	
	35.50		3	9	26	59	66	33	18	4	5						223	
	35.00		2	15	34	50	51	41	13	3	3						212	
	34.50		2	14	28	39	28	32	10	4	2	1					160	
	34.00	1	5	11	23	42	28	12	5	5	2						134	
	33.50		6	6	19	23	13	10	4	3							84	
	33.00		1	5	11	15	3	9	1								45	
	32.50	2	2	4	6	5	7	1	1								28	
	32.00			2	2	4	1	1									10	
	31.50			1	2	4	2	2									11	
	31.00		1	2		1	1										5	
TOTALS		3	24	83	222	378	403	355	200	121	75	23	11	6	1		1905	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-BIACROMIAL BREADTH	35.84	1.64	0.395X + 24.785	1.45	0.461
X-CHEST BREADTH	27.99	1.91	0.538Y + 8.711	1.70	

A BIVARIATE FREQUENCY TABLE FOR
BIACROMIAL BREADTH AND BUSTPOINT-TO-BUSTPOINT BREADTH

BUSTPOINT-TO-BUSTPOINT BREADTH																											
		13	13	14	14	15	15	16	16	17	17	18	18	19	19	20	20	21	21	22	22	23	23	24	24	TOT	
		.30	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	ALS	
BIACROMIAL BREADTH	41.50										1					2		2		1						2	
	41.00															1		1								4	
	40.50											1		1	1	1		1	1							5	
	40.00										1		3	1	1	1	1					1				9	
	39.50									1		2	2	3	3	1	2	1	1	2	1				1	20	
	39.00								1	4	2	3	7	1	5	5	3	2	3	1	1					38	
	38.50								2	2	4	7	12	9	5	3	5	4	4	1			1		1	60	
	38.00						1		3	4	8	16	8	5	12	8		11	3	1	2					82	
	37.50			1	1		3	4	4	8	13	10	17	18	18	14	5	4	5	2		1		1		129	
	37.00			2			2	1	5	9	13	19	23	23	28	14	15	10	2	3		2	1			172	
	36.50	1				2	2	5	12	20	25	24	35	32	21	16	12	7	4	1	2	2	1			228	
	36.00				3		2	5	5	8	22	26	36	34	40	17	19	11	6	7	1	1	1			244	
	35.50			1			4	5	5	14	25	25	26	28	27	29	13	10	4	3	2	2				223	
	35.00					1	7	8	21	25	21	32	27	21	16	11	10	7	4		1					212	
	34.50						4	8	5	22	19	23	24	16	15	9	7	4		1	2					160	
	34.00						4	5	9	16	24	16	18	10	10	8	6	5	1	2						134	
	33.50			1		2	3	4	5	6	14	9	10	12	7	5	2	2		1	1					84	
	33.00						3	3	3	6	6	5	7	6	2	1	2					1				45	
	32.50			1			1	1	2	2	7	3	5	1	2	2	1									28	
	32.00									2	3	1	1	2					1							10	
	31.50								2	1	2	2	1	2			1									11	
	31.00					1				1			1	2												5	
TOTALS		1	1	6	4	12	40	49	96	176	214	240	264	229	192	133	93	70	39	19	13	8	3	1	2	1905	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-BIACROMIAL BREADTH	35.84	1.64	0.255X + 31.118	1.59	0.241
X-BUSTPT-BUSTPT BR	18.53	1.55	0.227Y + 10.395	1.50	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
BIACROMIAL BREADTH AND WAIST BREADTH

WAIST BREADTH

	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
41.50							1				1					2
41.00							1	1	1		1					4
40.50							1	1	1	1	1					5
40.00								1	4	2	1				1	9
39.50				1	1	2	3	6	2	1	3		1			20
39.00						3	13	9	3	6	2		2			38
38.50				3	4	10	12	11	12	3		2	1	1	1	60
38.00			1	2	13	12	12	23	9	9	1					82
37.50			2	5	13	26	31	23	18	8	2	1				129
37.00			5	8	16	40	37	25	17	10	10	4				172
36.50				10	18	29	57	53	28	17	10	4	1	1		228
36.00		1	12	21	46	67	45	27	11	8	3	2	1			244
35.50		1	11	23	46	67	39	16	13	5	2					223
35.00	1	2	17	28	42	58	32	19	6	3	3	1				212
34.50		2	11	21	35	43	24	11	6	6	1					160
34.00		3	14	26	28	29	14	14	6							134
33.50	1	1	5	8	29	22	10	7			1					84
33.00			6	7	15	10	3	1	3							45
32.50		2	3	7	9	5	1			1						28
32.00			1	2	4	3										10
31.50			1	1	4	2	2	1								11
31.00				2		2	1									5
TOTALS	2	12	99	183	334	458	335	224	129	73	36	11	6	1	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-BIACROMIAL BREADTH	35.84	1.64	0.340X + 27.640	1.50	0.401
X-WAIST BREADTH	24.13	1.94	0.474Y + 7.138	1.77	

A BIVARIATE FREQUENCY TABLE FOR
BIACROMIAL BREADTH AND HIP BREADTH

HIP BREADTH

	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
41.50											1						2
41.00									1		1						4
40.50		1			1			1	2				2				5
40.00						2	1		3	1			2				9
39.50						4	3	4	2	1	1	3	2				20
39.00				1	1	5	5	5	6	5	6	2	1		1		38
38.50			1	2	2	6	8	11	10	6	6	6	1	1			60
38.00			1	2	3	13	21	16	12	6	5	2	1				82
37.50			1	6	11	15	24	20	23	15	8	1	2	1	1	1	129
37.00			1	5	20	19	26	38	27	13	13	7	2		1		172
36.50		1	1	13	18	25	40	57	32	18	10	10	1		1	1	228
36.00		1	5	12	37	38	49	41	26	18	4	7	6				244
35.50	1		3	12	35	42	50	40	18	13	4	3	2				223
35.00	3	1	8	18	30	44	45	27	15	14	5	1	1				212
34.50		1	4	16	28	24	31	27	19	6	4						160
34.00		5	7	12	20	27	31	18	9	3	2						134
33.50		1	6	9	12	20	20	10	3	2				1			84
33.00		1	3	8	10	8	5	7	1	1	1						45
32.50		1	3	3	8	6	6				1						28
32.00			1	1	1	2	3	1	1								10
31.50		1	1	1	2	2	1	2		1							11
31.00			1	1	1	1	1										5
TOTALS	4	14	47	122	240	303	370	325	210	123	72	42	24	3	4	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-BIACROMIAL BREADTH	35.84	1.64	0.267X + 26.507	1.53	0.361
X-HIP BREADTH	34.97	2.22	0.488Y + 17.477	2.07	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
BIACROMIAL BREADTH AND THIGH-TO-THIGH BREADTH, SITTING

THIGH-TO-THIGH BREADTH, SITTING

	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
41.50															1	1							2
41.00												1	1						1	1			4
40.50						1				1		1	1										5
40.00										2		2	1	2	1								9
39.50							3		2	3	3	3	1	1		1	1	2	1				20
39.00						1	1	1	6	4	3	4	7	3	1	4		2		1			38
38.50							1	6	1	2	6	6	16	3	3	4	4	3	1				60
38.00							1	3	4	9	21	16	7	7	6	6		1					82
37.50					1	2	3	6	10	18	20	13	11	18	11	5	5	3		1	1	1	129
37.00					1		4	10	11	21	21	20	24	21	18	8	6	2	4			1	172
36.50					2	3	2	17	16	31	29	38	32	25	13	10	4	3	2				228
36.00						2	11	19	23	33	41	28	29	26	8	9	6	5	2	2		1	244
35.50					1	2	9	18	31	34	40	28	21	20	8	5	2	3	1				223
35.00	1				3	5	10	24	34	29	31	19	28	9	10	4	4		1				212
34.50		1			2	12	13	23	22	17	22	19	13	7	3	4	2						160
34.00		2			2	6	3	21	11	29	17	16	10	10	5	2							134
33.50					4	2	5	9	10	13	18	11	6	4		1				1			84
33.00					2	2	6	8	7	5	3	7	1	2	1	1							45
32.50					1	1	4	8	6	4	2	1					1						28
32.00					1	1	2	1	1	2	1	1		1									10
31.50					1	1	1	2	1	2	1	1			1								11
31.00					1		1	1		1		1											5
TOTALS	1	6	3	18	30	72	167	193	261	282	233	219	170	97	62	42	25	17	6	4	2	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-BIACROMIAL BREADTH	35.84	1.64	0.179X +	29.007	1.56
X-THIGH-THIGH BR,SIT	38.19	2.86	0.544Y +	18.691	2.72

A BIVARIATE FREQUENCY TABLE FOR
BIACROMIAL BREADTH AND SHOULDER LENGTH

SHOULDER LENGTH

	11	12	12	13	13	14	14	15	15	16	16	17	17	18	18	19	TOT
	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	ALS
41.50																1	2
41.00																1	4
40.50																	5
40.00																	9
39.50																	20
39.00																	38
38.50																	60
38.00																	82
37.50																	129
37.00																	172
36.50																	228
36.00																	244
35.50																	223
35.00																	212
34.50																	160
34.00																	134
33.50																	84
33.00																	45
32.50																	28
32.00																	10
31.50	1																11
31.00																	5
TOTALS	1	13	38	110	186	356	370	309	260	146	72	31	8	4	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-BIACROMIAL BREADTH	35.84	1.64	0.992X +	21.300	1.29
X-SHOULDER LENGTH	14.66	1.02	0.385Y +	0.861	0.80

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
BIDELTOID BREADTH AND CHEST BREADTH

		CHEST BREADTH														TOT ALS
		22	23	24	25	26	27	28	29	30	31	32	33	34	35	
		.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	
BIDELTOID BREADTH	49.75										1	3	1			5
	48.75							1		1	2	2		3	1	10
	47.75								1	3	6	1	5			16
	46.75						1	3	5	5	16	4	1	1		36
	45.75						3	13	20	22	18	5	3	2		86
	44.75					4	14	31	29	34	13	4	1			130
	43.75				5	15	39	64	52	23	8	2				208
	42.75				12	38	91	77	41	20	7	1				287
	41.75				27	90	104	75	33	10	4	1				344
	40.75		1	19	48	109	85	57	13	2						334
	39.75		5	15	66	66	45	27	4	1						229
	38.75	1	6	19	35	38	16	5	2							122
	37.75		5	20	21	10	3	1								60
	36.75	2	3	8	7	7	1	1								29
	35.75		3	2	1	1	1									8
	34.75		1													1
TOTALS		3	24	83	222	378	403	355	200	121	75	23	11	6	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-BIDELTOID BREADTH	41.87	2.31	0.894X +	16.846	1.56
X-CHEST BREADTH	27.99	1.91	0.612Y +	2.368	1.29

A BIVARIATE FREQUENCY TABLE FOR
BIDELTOID BREADTH AND BUSTPOINT-TO-BUSTPOINT BREADTH

		BUSTPOINT-TO-BUSTPOINT BREADTH																								TOT
		13	13	14	14	15	15	16	16	17	17	18	18	19	19	20	20	21	21	22	22	23	23	24	24	ALS
		.30	.50	.60	.50	.30	.50	.00	.50	.60	.50	.00	.50	.00	.50	.30	.50	.00	.50	.00	.50	.00	.50	.00	.50	5
BIDELTOID BREADTH	49.75														1		3	1	4	1		1				10
	48.75																3	3	1	3	1		1			5
	47.75												1		2	3	3	1	3	1		1			1	16
	46.75										1	2	2	2	5	5	4	6	3	5		1				36
	45.75									1		2	9	14	14	9	17	7	7	1		2	1	1	1	86
	44.75						1	1	4	9	10	15	16	20	20	11	12	7	7		4					130
	43.75					1	1	6	10	12	23	32	24	29	24	17	12	7	2	3	2	1				208
	42.75	1		1	1	4	12	19	27	45	50	40	32	20	14	6	6	6	6	1	1					287
	41.75				2	7	4	17	26	40	45	57	52	35	25	13	13	4	1	3						344
	40.75			1	2	3	6	10	16	47	50	56	47	36	30	14	9	6		1						334
	39.75				2	10	13	15	34	41	30	28	29	15	7	2	2		1							229
	38.75		1	2	1	2	6	8	17	19	18	12	16	12	5	1				1	1					122
	37.75			2		1	6	3	5	8	11	8	6	4	2	2	2									60
	36.75					3	4	2	5	5	7	1		2												29
	35.75					1	1	1	2	3																8
	34.75								1																	1
TOTALS		1	1	6	4	12	41	49	96	176	214	241	264	229	192	133	93	70	39	19	13	8	3	1	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-BIDELTOID BREADTH	41.87	2.31	0.763X +	27.734	1.99
X-BUSTPT-BUSTPT BP	18.53	1.55	0.342Y +	4.211	1.33

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
BIDELTOID BREADTH AND WAIST BREADTH

	WAIST BREADTH																TOT ALS
	18 .75	19 .75	20 .75	21 .75	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	30 .75	31 .75	32 .75		
BIDELTOID BREADTH																	
49.75											3		1		1		5
48.75								1	2	1	1	2	3				10
47.75								1	3	2	5	2	1	1	1		16
46.75							1	8	7	13	5	2					36
45.75					1	6	10	23	23	16	5	1	1				86
44.75					3	16	25	31	28	14	11	2					130
43.75				3	16	35	61	52	24	13	3	1					208
42.75				12	37	80	78	42	25	9	1	1					287
41.75		1	9	24	61	123	70	36	14	4	2						344
40.75		1	21	44	81	102	59	22	3	1							334
39.75		5	29	47	64	59	19	6									229
38.75		4	19	24	45	23	6	1									122
37.75	1		12	16	21	5	5										60
36.75			6	11	4	6	1	1									29
35.75	1	1	1	1	1	3											8
34.75				1													1
TOTALS	2	12	99	183	334	458	335	224	129	73	36	11	6	1	2	1905	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-BIDELTOID BREADTH	41.87	2.31	0.828X +	21.896	1.67	0.692
X-WAIST BREADTH	24.13	1.94	0.579Y -	0.117	1.40	

A BIVARIATE FREQUENCY TABLE FOR
BIDELTOID BREADTH AND HIP BREADTH

	HIP BREADTH																TOT ALS
	28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	
BIDELTOID BREADTH																	
49.75											2	2	1				5
48.75								1	1	1	3	2			1	1	10
47.75					1			2	2	3	2	6					16
46.75						3	1	5	7	9	3	3	4		1		36
45.75		1		1	1	3	11	10	16	14	14	8	2		2	1	86
44.75					3	9	17	26	36	14	12	7	5	1			130
43.75		1	1	2	12	17	42	42	40	26	13	8	4				208
42.75		1	2	2	20	42	66	64	48	25	12	5					287
41.75			4	16	34	65	82	84	30	18	8	3					344
40.75			7	31	63	71	68	62	20	8	3	1					334
39.75		2	10	29	51	55	45	22	8	6	1						229
38.75	1	4	9	24	29	21	26	6	2								122
37.75	1	1	6	8	24	8	9	1	2								60
36.75	1	3	6	8	1	7	3										29
35.75	1	1	2	1		2		1									8
34.75					1												1
TOTALS	4	14	47	122	240	303	370	325	210	123	72	42	24	3	4	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-BIDELTOID BREADTH	41.87	2.31	0.648X +	19.214	1.81	0.621
X-HIP BREADTH	34.97	2.22	0.594Y +	10.096	1.74	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
BIDELTOID BREADTH AND THIGH-TO-THIGH BREADTH, SITTING

THIGH-TO-THIGH BREADTH, SITTING

	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
BIDELTOID BREADTH	49.75													1	1			1	1	1			5
48.75												1	1	2			1	1	2	1		1	10
47.75										1			2	3			4	2	3				16
46.75									1	3	1	4	5	5	5		6	3	1	1	1		36
45.75						1	1			4	5	9	12	14	12	9	8	3	4	1	1	2	86
44.75							1	3	7	17	16	29	13	13	12	7	7	5					130
43.75					1		11	10	15	27	29	35	37	17	12	7	5	1	1				208
42.75					1	4	13	13	35	60	40	42	42	23	7	4	3						287
41.75					2	5	21	30	63	66	52	44	35	16	6	3	1						344
40.75					2	3	16	39	59	60	45	50	31	15	7	4	2	1					334
39.75					4	6	18	34	47	40	35	23	13	7		1	1						229
38.75			1	2	11	17	23	16	26	14	6	5	1										122
37.75				2	4	9	17	8	5	7	6	2											60
36.75			2	4	4	2	5	6	3	2	1												29
35.75	1			2			2	1	1			1											8
34.75									1														1
TOTALS	1	0	3	18	30	72	167	193	261	282	233	219	170	97	62	42	25	17	6	4	2	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-BIDELTOID BREADTH	41.87	2.31	0.506X +	22.550	1.80
X-THIGH-THIGH BR,SIT	38.19	2.86	0.773Y +	5.821	2.23

A BIVARIATE FREQUENCY TABLE FOR
CHEST BREADTH AND BUSTPOINT-TO-BUSTPOINT BREADTH

BUSTPOINT-TO-BUSTPOINT BREADTH

	13	13	14	14	15	15	16	16	17	17	18	18	19	19	20	20	21	21	22	22	23	23	24	24	TOT
	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	ALS
CHEST BREADTH	35.75															2	1	2				1			1
34.75																1	3	1				1			6
33.75																		2	1					2	11
32.75														6	1		4								23
31.75							1	1	1		1	9	8	14	11	9	9	7	4				1		75
30.75									2	6	6	11	18	14	17	17	13	7	4	3	2				121
29.75							1	5	10	11	32	31	30	23	18	16	12	7	2	2					200
28.75				1	1	2	7	14	36	27	39	60	45	46	34	19	8	9	2	3	1	1			355
27.75	1		1	1	3	4	10	24	27	49	64	69	51	42	26	14	8	5	3	1				403	
26.75		4	1	4	14	11	23	48	56	48	51	49	33	13	9	10			2	1	1				378
25.75			1	1	14	9	17	31	43	33	25	24	9	9	4	2									222
24.75			1		2	4	5	7	15	17	15	7	3	5	1	1									83
23.75					1	2		3	5	4	2	1	1												24
22.75							1	1	1																3
TOTALS	1	1	6	4	12	40	49	96	176	214	240	264	229	192	133	93	70	39	19	13	8	3	1	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-CHEST BREADTH	27.99	1.91	0.612X +	16.653	1.66
X-BUSTPT-BUSTPT BR	18.53	1.55	0.400Y +	7.334	1.34

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
CHEST BREADTH AND WAIST BREADTH

WAIST BREADTH

	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
CHEST BREADTH																
35.75																1
34.75								1	1	1	1	2				6
33.75									3	1	3	2		1	1	11
32.75						1	1	3	4	7	4		2		1	23
31.75					3	5	3	14	23	15	10	2				75
30.75				2	7	17	17	29	18	18	8		3			121
29.75			1	3	8	46	54	49	26	9	2	2				200
28.75		1	12	30	42	82	92	45	29	14	7	1				355
27.75		4	12	30	77	123	82	51	19	4	1					403
26.75	1	2	28	43	100	114	60	21	5	4						378
25.75		2	26	42	68	52	21	10	1							222
24.75		1	18	19	26	13	5	1								83
23.75	1	1	2	12	3	5										24
22.75		1		2												3
TOTALS	2	12	99	183	334	458	335	224	129	73	36	11	6	1	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-CHEST BREADTH	27.99	1.91	0.610X + 13.277	1.51	0.617
X-WAIST BREADTH	24.13	1.94	0.624Y + 6.659	1.52	

A BIVARIATE FREQUENCY TABLE FOR
CHEST BREADTH AND HIP BREADTH

HIP BREADTH

	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
CHEST BREADTH																	
35.75												1					1
34.75								1		1		1	2			1	6
33.75					1		1	3		3	1	1	1				11
32.75						1	3	1	3	4	2	4	3		1	1	23
31.75					2	3	8	13	9	17	10	7	4		1		75
30.75		1			2	14	25	15	24	11	14	6	6	1	2		121
29.75		1			9	20	37	39	39	22	16	9	6	1			200
28.75		1	4	12	31	60	76	67	54	26	15	8	1				355
27.75		1	11	29	49	70	92	80	38	21	9	2	1				403
26.75	1	4	10	29	58	86	70	73	30	12	3	2					378
25.75		3	13	25	55	37	44	29	9	4	2	1					222
24.75	3		7	20	26	10	11	3	2	1							83
23.75		2	2	5	7	2	2	1	2	1							24
22.75		1		1			1										3
TOTALS	4	14	47	122	240	303	370	325	210	123	72	42	24	3	4	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-CHEST BREADTH	27.99	1.91	0.442X + 12.539	1.64	0.512
X-HIP BREADTH	34.97	2.22	0.592Y + 18.396	1.90	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
CHEST BREADTH AND THIGH-TO-THIGH BREADTH, SITTING

THIGH-TO-THIGH BREADTH, SITTING

	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
CHEST BREADTH																							
35.75																	1						1
34.75									1										2				6
33.75										1												1	11
32.75										5													23
31.75											8												75
30.75												16											121
29.75					1		3	2	7	16	16	16	15	12	14	7	4	5					200
28.75						2	5	3	19	29	19	33	39	19	17	7	7		1				355
27.75					1		4	17	40	51	53	49	55	38	27	8	9	1	2				403
26.75					4		15	37	49	63	67	56	47	32	17	2	6	2					378
25.75					2	6	7	13	48	50	62	60	54	42	25	2	6	1					222
24.75					3	10	22	31	33	41	38	21	11	6	2	2	1	1					83
23.75	1			1	2	5	13	18	15	10	7	8	3										24
22.75					2	2	3	8		2	3	2		2									3
TOTALS	1	0	3	18	30	72	167	193	261	282	233	219	170	97	62	42	25	17	6	4	2	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-CHEST BREADTH	27.99	1.91	0.366X + 14.018	1.60	0.547
X-THIGH-THIGH BR,SIT	38.19	2.86	0.816Y + 15.346	2.39	

A BIVARIATE FREQUENCY TABLE FOR
BUSTPOINT-TO-BUSTPOINT BREADTH AND WAIST BREADTH

WAIST BREADTH

	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
BUSTPOINT-TO-BUSTPOINT BREADTH																
24.50																2
24.00																1
23.50																3
23.00																8
22.50																13
22.00																19
21.50																39
21.00																70
20.50																93
20.00																133
19.50																192
19.00																229
18.50																264
18.00																240
17.50																214
17.00																176
16.50																96
16.00																49
15.50																40
15.00																12
14.50																4
14.00																6
13.50																1
13.00																1
TOTALS	2	12	99	183	334	458	335	224	129	73	36	11	6	1	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-BUSTPT-BUSTPT BR	18.53	1.55	0.388X + 9.170	1.35	0.486
X-WAIST BREADTH	24.13	1.94	0.607Y + 12.879	1.69	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
BUSTPOINT-TO-BUSTPOINT BREADTH AND HIP BREADTH

HIP BREADTH																	
	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
BUSTPOINT-TO-BUSTPOINT BREADTH																	
24.50								1		1						1	2
24.00																	1
23.50								1			1	1					3
23.00								1	2	1	1	2	1				8
22.50				1	1		2		4	2	2		1				13
22.00						1	7	5	1	2	1		2				19
21.50					2	3	11	5	6	4	5		2		1		39
21.00				1	4	6	19	10	7	8	3	6	4			1	70
20.50		1	2	2	5	9	13	13	13	16	7	6	3		3		93
20.00				3	6	16	27	24	24	9	15	6	3				133
19.50			5	4	21	25	34	43	24	18	10	4	3		1		192
19.00		1	2	9	29	46	50	41	31	9	4	6		1			229
18.50		1	5	14	25	50	46	53	36	16	11	6	1				264
18.00		3	8	18	30	42	57	46	16	8	5	4	3				240
17.50		1	7	23	39	44	31	34	19	10	4	1	1				214
17.00	3	3	6	16	37	27	28	29	11	13	3						176
16.50	1	2	6	11	15	18	20	9	10	4							96
16.00			2	11	9	5	11	3	6								49
15.50			3	7	8	7	8	5		2							40
15.00			1	1	2	3	5										12
14.50					2	1		1									4
14.00				1	4		1										6
13.50					1												1
13.00								1									1
TOTALS	4	14	47	122	240	303	370	325	210	123	72	42	24	3	4	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-BUSTPT-BUSTPT W9	18.53	1.55	0.263X +	9.335	1.43	0.376
X-HIP BREADTH	34.97	2.22	0.539Y +	24.980	2.05	

A BIVARIATE FREQUENCY TABLE FOR
BUSTPOINT-TO-BUSTPOINT BREADTH AND THIGH-TO-THIGH BREADTH, SITTING

	THIGH-TO-THIGH BREADTH, SITTING																			TOT ALS
	28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	44 .75	45 .75	46 .75	
BUSTPOINT-TO-BUSTPOINT BREADTH																				
24.50													1	1						2
24.00																				1
23.50								1											1	3
23.00																				8
22.50									2			1	3	2	2			1		13
22.00								1	4	3	4	2	1	2						19
21.50								6	5	5	3	5	6	2	2	2	2		1	39
21.00						1	2	4	12	8	12	6	7	4	2	5	2	1		70
20.50							4	7	6	4	9	16	11	8	11	8	5	1	1	93
20.00						1	3	5	17	25	12	24	17	9	9	4	5	1		133
19.50						2	4	10	14	23	29	21	22	14	11	6	1	5	1	192
19.00							6	19	30	33	30	25	38	27	7	4	4	3		229
18.50							9	15	16	41	45	39	35	28	10	9	6	3	2	264
18.00		1	2	3	6	13	23	30	42	43	28	24	12	10	2	4		2	1	240
17.50				2	5	16	28	27	29	34	27	17	21	5	1	2				214
17.00	1		1	3	5	6	23	30	29	21	25	15	5	7	4	1				176
16.50				3	5	7	14	13	12	13	13	6	5	4	1					96
16.00				1	2	1	14	9	7	5	5	2	1	2						49
15.50				2		6	6	7	5	6	3			2	1					40
15.00					2	2	2	2	3	2	1									12
14.50							2		1	1										4
14.00					1	2	2		1											6
13.50										1										1
13.00											1									1
TOTALS	1	0	3	18	30	72	167	193	261	282	233	219	170	97	62	42	25	17	6	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-BUSTPT-BUSTPT BR	18.53	1.55	0.228X +	9.825	1.40	0.421
X-THIGH-THIGH BR,SIT	38.19	2.86	0.778Y +	23.772	2.59	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WAIST BREADTH AND HIP BREADTH

WAIST BREADTH	HIP BREADTH																TOT ALS
	28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	
32.75					1						1		1				2
31.75																	1
30.75												4	1		1		6
29.75								3	1	1	2	1	2			1	11
28.75						1	5	8	6	3	4	2	5	1	1		36
27.75					2	3	8	7	17	14	13	8	1				73
26.75					4	11	17	22	32	16	8	9	6	2	1	1	129
25.75				3	4	19	44	46	42	33	19	7	5				224
24.75		1	5	7	33	49	71	72	52	23	13	6	3				335
23.75		3	11	21	55	91	106	97	38	23	8	5					458
22.75		2	8	36	65	77	77	41	17	8	2						334
21.75	1	4	8	29	47	33	30	26	3	1	1						183
20.75	1	3	10	26	26	16	10	3	2	1	1						99
19.75			2	2	3	3	2										12
18.75	1	1															2
TOTALS	4	14	47	122	240	303	370	325	210	123	72	42	24	3	4	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WAIST BREADTH	24.13	1.94	0.503X +	6.539	1.58
X-HIP BREADTH	34.97	2.22	0.659Y +	19.068	1.81

A BIVARIATE FREQUENCY TABLE FOR
WAIST BREADTH AND THIGH-TO-THIGH BREADTH, SITTING

WAIST BREADTH	THIGH-TO-THIGH BREADTH, SITTING																			TOT ALS
	28 .75	29 .75	30 .75	31 .75	32 .75	33 .75	34 .75	35 .75	36 .75	37 .75	38 .75	39 .75	40 .75	41 .75	42 .75	43 .75	44 .75	45 .75	46 .75	
32.75																1				2
31.75										1										1
30.75																				6
29.75																				11
28.75									4	3	1	3	2	11	4					36
27.75								1	1	8	6	12	14	6	10	7	7			73
26.75							2	1	6	17	8	22	25	18	11	7	5	1		129
25.75						2	5	11	19	31	33	34	27	29	16	7	4	4	1	224
24.75				1	4	24	24	42	65	58	46	32	14	10	9	3	2			335
23.75			5	7	9	33	50	71	87	66	58	44	14	6	6	2				458
22.75			5	6	19	47	54	69	47	38	25	17	3	2	1	1				334
21.75	1		1	4	4	18	36	31	31	19	15	14	7							183
20.75		2	2	10	20	19	17	14	4	7	2	1	1							99
19.75					1															12
18.75			1	1																2
TOTALS	1	0	3	18	30	72	167	193	261	282	233	219	170	97	62	42	25	17	6	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WAIST BREADTH	24.13	1.94	0.392X +	9.120	1.58
X-THIGH-THIGH BR,SIT	38.19	2.86	0.857Y +	17.512	2.33

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WAIST BREADTH AND WAIST BREADTH, OVER FOUNDATION GARMENT

WAIST BREADTH, OVER FOUNDATION GARMENT

	17	18	19	20	21	22	23	24	25	26	27	28	29	30	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
32.75										1		1		1	2
31.75															1
30.75															6
29.75							1	1	2	2			2		9
28.75						1	6	8	9	5	2	1			32
27.75				1	2	6	20	21	8	2					60
26.75			1	7	22	26	17	19	9	2	1				104
25.75		1	3	19	50	66	34	12	5						190
24.75		2	21	76	83	65	26	3	1						277
23.75	3	16	80	122	100	38	2	1							362
22.75	4	36	101	78	26	11	2								258
21.75	11	40	49	28	3										131
20.75	15	34	18	5											72
19.75	4	2		2											8
18.75			1												1
TOTALS	37	131	274	338	286	213	108	65	37	13	6	2	2	1	1513

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WAIST BREADTH	24.22	1.93	0.825X +	6.573	1.12
X-WAIST BREADTH, OFG	21.39	1.92	0.809Y +	1.797	1.10

A BIVARIATE FREQUENCY TABLE FOR
HIP BREADTH AND THIGH-TO-THIGH BREADTH, SITTING

THIGH-TO-THIGH BREADTH, SITTING

	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
43.75																			1		1	1	2
42.75																			2				4
41.75																			1	1			3
40.75																			6	3	1		24
39.75																			5	1			42
38.75																			8	3	1		72
37.75																			1				123
36.75																							210
35.75																							325
34.75																							370
33.75																							303
32.75																							240
31.75																							122
30.75																							47
29.75																							14
28.75	1																						4
TOTALS	1	0	3	18	30	72	167	193	261	282	233	219	170	97	62	42	25	17	6	4	2	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-HIP BREADTH	34.97	2.22	0.682X +	8.885	1.05
X-THIGH-THIGH BR,SIT	38.19	2.86	1.137Y -	1.570	1.35

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
HIP BREADTH AND HIP BREADTH, OVER FOUNDATION GARMENT

HIP BREADTH, OVER FOUNDATION GARMENT

	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
HIP BREADTH																	
43.75																	2
42.75																	4
41.75																	3
40.75																	21
39.75																	35
38.75																	67
37.75																	101
36.75																	169
35.75																	262
34.75																	296
33.75																	230
32.75																	182
31.75																	93
30.75																	33
29.75																	12
28.75																	3
TOTALS	4	14	45	111	224	256	304	225	165	83	43	23	8	3	2	3	1513

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-HIP BREADTH	35.07	2.25	0.961X +	2.707	0.89
X-HIP BREADTH, OFG	33.67	2.14	0.875Y +	2.990	0.85

A BIVARIATE FREQUENCY TABLE FOR
THIGH-TO-THIGH BREADTH, SITTING AND THIGH-TO-THIGH BREADTH, SITTING, OVER FOUNDATION GARMENT

THIGH-TO-THIGH BREADTH, SITTING, OVER FOUNDATION GARMENT

	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
THIGH-TO-THIGH BREADTH, SITTING																					1
49.75																					1
48.75																					2
47.75																					4
46.75																					6
45.75																					16
44.75																					20
43.75																					35
42.75																					53
41.75																					87
40.75																					144
39.75																					175
38.75																					184
37.75																					219
36.75																					197
35.75																					154
34.75																					127
33.75																					53
32.75																					22
31.75																					12
30.75																					2
TOTALS	1	0	4	28	42	109	157	218	236	211	190	132	81	43	29	15	7	6	7	0	1 1513

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-THIGH-THIGH BR,SIT	38.34	2.89	1.015X +	0.531	1.08
X-THI-THI BR,SIT,OFG	37.25	2.65	0.848Y +	4.737	0.99

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
HUMERAL BREADTH, RIGHT AND HUMERAL BREADTH, LEFT

		HUMERAL BREADTH, LEFT																								TOT
		5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	7	7	7	7	7	ALS		
		.20	.30	.40	.50	.60	.70	.80	.90	.00	.10	.20	.30	.40	.50	.60	.70	.80	.90	.00	.10	.20	.30	.40	1	
HUMERAL BREADTH, RIGHT	7.50																								1	
	7.40																								0	
	7.30																								0	
	7.20																								2	
	7.10																					1			3	
	7.00																						1		6	
	6.90																								11	
	6.80																								27	
	6.70															1	4	12	13	10					40	
	6.60																17	8	3						70	
	6.50																								137	
	6.40																								151	
	6.30																								189	
	6.20																								241	
	6.10																								242	
	6.00																								296	
	5.90																								185	
	5.80																								113	
	5.70																								81	
	5.60																								53	
	5.50																								37	
	5.40																								12	
	5.30																								5	
	5.20																								3	
TOTALS		2	10	19	43	50	87	144	234	259	238	243	191	155	105	58	31	19	13	1	1	1	0	1	1905	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-HUMERAL BREADTH, R	6.13	0.31	0.935X +	0.429	0.12
X-HUMERAL BREADTH, L	6.10	0.30	0.902Y +	0.569	0.12

A BIVARIATE FREQUENCY TABLE FOR
FEMORAL BREADTH, RIGHT AND FEMORAL BREADTH, LEFT

		FEMORAL BREADTH, LEFT																	TOT
		6	6	7	7	7	7	7	8	8	8	8	8	9	9	9	9	9	ALS
FEMORAL BREADTH, RIGHT	9.95	.75	.95	.15	.35	.55	.75	.95	.15	.35	.55	.75	.95	.15	.35	.55	.75	.95	1
	9.75																		0
	9.55																		2
	9.35																		13
	9.15																		25
	8.95																		60
	8.75																		125
	8.55																		191
	8.35																		295
	8.15																		320
	7.95																		339
	7.75																		280
	7.55																		138
	7.35																		65
	7.15																		26
	6.95																		18
	6.75																		7
TOTALS		4	7	24	62	143	241	351	318	300	213	138	62	30	8	3	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-FEMORAL BREADTH, R	8.12	0.45	0.989X +	0.066	0.13
X-FEMORAL BREADTH, L	8.14	0.44	0.932Y +	0.575	0.12

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
CHEST DEPTH AND WAIST DEPTH

CHEST DEPTH	WAIST DEPTH															TOT ALS
	12 .75	13 .75	14 .75	15 .75	16 .75	17 .75	18 .75	19 .75	20 .75	21 .75	22 .75	23 .75	24 .75	25 .75		
32.75												1				1
31.75												1				1
30.75										2	1	1		1		5
29.75								2	1	1	2	2	1			9
28.75					1			4	5	2	3	3	1			21
27.75					3	6	11	8	9	11	3	1	1			53
26.75				5	7	22	28	22	8	3		1				96
25.75			2	5	33	93	43	15	10	4	1	1				167
24.75			3	33	97	69	52	8	4	4						270
23.75		3	33	97	140	97	40	8								418
22.75		8	42	118	135	72	14									389
21.75	1	8	50	119	94	30	7									309
20.75		6	36	50	29	8	1									130
19.75	1	3	11	14	4	1										34
18.75			1	1												2
TOTALS	2	28	178	442	543	358	198	67	37	27	10	11	3	1		1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-CHEST DEPTH	23.64	1.93	0.806X +	9.929	1.38	0.697
X-WAIST DEPTH	17.01	1.67	0.603Y +	2.758	1.20	

A BIVARIATE FREQUENCY TABLE FOR
CHEST DEPTH AND ABDOMINAL EXTENSION DEPTH

ABDOMINAL EXTENSION DEPTH																	
CHEST DEPTH	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
	32.75											1					1
	31.75													1			1
	30.75										1		1	2		1	5
	29.75										1		3	3			9
	28.75								2	6	2	7	1	1	1		21
	27.75					1		4	9	12	9	4	3	2	4		53
	26.75			1			11	18	27	18	13	4	4				96
	25.75				3	9	22	46	40	25	11	8	2		1		167
	24.75			5	14	40	62	65	47	28	8	1					270
	23.75		4	16	50	75	126	87	38	18	3	1					418
	22.75	2	6	16	63	125	105	57	13	2							389
	21.75	1	6	47	65	105	48	31	4	1	1						309
	20.75	1	5	26	42	28	23	5									130
	19.75	2	3	7	10	8	1	2	1								34
18.75		1			1											2	
TOTALS	6	25	118	247	392	398	316	175	103	55	26	19	8	10	6	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-CHEST DEPTH	23.64	1.93	0.650X +	10.064	1.35	0.713
X-ABDOMINAL EXT DPTH	20.89	2.12	0.782Y +	2.402	1.49	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
CHEST DEPTH AND BUTTOCK DEPTH

CHEST DEPTH	BUTTOCK DEPTH																TOT ALS
	15 .75	16 .75	17 .75	18 .75	19 .75	20 .75	21 .75	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	30 .75	
32.75										1							1
31.75																	1
30.75									1	2		2	1				5
29.75								1	3	2	2					1	9
28.75						1	2	5	3	6	1	1					21
27.75					2	2	5	4	13	15	7	1	3	1			53
26.75					5	10	21	26	18	10	4	2					96
25.75					9	30	33	51	28	6	7	1					167
24.75				13	28	62	79	58	20	9	1						270
23.75			2	31	84	114	103	55	23	4	1	1					418
22.75		1	14	38	99	109	92	27	7	1							389
21.75		2	21	49	96	91	32	15	3								309
20.75		5	18	35	31	23	14	4									130
19.75	1	1	9	8	7	5	3										34
18.75			1			1											2
TOTALS	1	9	65	176	361	448	384	243	118	54	29	10	5	1	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-CHEST DEPTH	23.64	1.93	0.691X +	9.026	1.48
X-BUTTOCK DEPTH	21.15	1.79	0.593Y +	7.133	1.37

A BIVARIATE FREQUENCY TABLE FOR
CHEST DEPTH AND THIGH CLEARANCE

CHEST DEPTH	THIGH CLEARANCE																TOT ALS
	9 .00	9 .50	10 .00	10 .50	11 .00	11 .50	12 .00	12 .50	13 .00	13 .50	14 .00	14 .50	15 .00	15 .50	16 .00	16 .50	
32.75																	1
31.75																	1
30.75						1			1	1						1	5
29.75								1	2	3			1	2	2		9
28.75						1		3	3	2	3	4					21
27.75					1	4	7	4	9	10	8	6	1		1	2	53
26.75			1	3	3	7	9	6	16	16	13	8	9	4			96
25.75			2		7	14	18	20	25	29	28	16	6	1	1		167
24.75				9	15	35	30	37	49	38	31	15	4	6	1		270
23.75		2	4	22	24	56	71	67	71	51	29	15	5	1			418
22.75	1	3	9	25	43	65	64	67	48	34	20	7	3				389
21.75		4	12	28	43	61	67	37	29	17	5	4	2				309
20.75		5	8	15	22	22	22	17	8	8	2			1			130
19.75	1	3	4	6	2	7	6	1	3								34
18.75				1				1									2
TOTALS	2	17	40	109	160	270	291	264	256	206	145	77	40	18	4	4	2 1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-CHEST DEPTH	23.64	1.93	0.722X +	14.664	1.71
X-THIGH CLEARANCE	12.44	1.25	0.303Y +	5.272	1.11

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WAIST DEPTH AND ABDOMINAL EXTENSION DEPTH

WAIST DEPTH	ABDOMINAL EXTENSION DEPTH																TOT ALS
	15 .75	16 .75	17 .75	18 .75	19 .75	20 .75	21 .75	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	30 .75	
25.75																1	1
24.75															2	1	3
23.75															2		11
22.75											2	5	2		2		10
21.75									4	4	5	4	1		2	1	27
20.75							1	3	6	16	7	2	1	1			37
19.75						3		1	14	18	8	3					67
18.75					3	23	45	65	45	13	4						198
17.75			1	6	40	99	121	62	27	2							358
16.75			7	54	151	173	127	28	3								543
15.75	1	3	50	118	154	93	20	3									442
14.75		17	46	64	43	7	1										178
13.75	3	5	14	5	1												28
12.75	2																2
TOTALS	6	25	118	247	392	398	316	175	103	55	26	19	8	10	6	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-WAIST DEPTH	17.01	1.67	0.680X	+	2.809	0.85
X-ABDOMINAL EXT DPTH	20.89	2.12	1.092Y	+	2.311	1.08

A BIVARIATE FREQUENCY TABLE FOR
WAIST DEPTH AND BUTTOCK DEPTH

WAIST DEPTH	BUTTOCK DEPTH																TOT ALS
	15 .75	16 .75	17 .75	18 .75	19 .75	20 .75	21 .75	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	30 .75	
25.75												1					1
24.75												2		1			3
23.75									1	5	3		2				11
22.75							1	1	4	3	1						10
21.75							3	2	5	9	5	1	2				27
20.75						2	3	10	11	2	6	2				1	37
19.75						8	6	12	23	11	4	2	1				67
18.75				2	13	31	58	50	23	14	7						198
17.75		1	1	9	43	79	109	77	31	6	1	1					358
16.75			7	43	112	159	135	62	22	3							543
15.75		2	23	67	133	134	56	26	1								442
14.75		4	28	45	53	31	13	3	1								178
13.75	1	2	5	9	7	4											28
12.75			1	1													2
TOTALS	1	9	65	176	361	448	384	243	118	54	29	10	5	1	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-WAIST DEPTH	17.01	1.67	0.641X	+	3.455	1.22
X-BUTTOCK DEPTH	21.15	1.79	0.734Y	+	8.665	1.30

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
WAIST DEPTH AND THIGH CLEARANCE

THIGH CLEARANCE

	9	9	10	10	11	11	12	12	13	13	14	14	15	15	16	16	17	TOT
	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	ALS
25.75						1												1
24.75											1					1		3
23.75												2						11
22.75												1					1	10
21.75						3	1		4	3	5	4	3	1	2		1	27
20.75						1	1		5	7	5	5	3	5	2			37
19.75					2			9	5	11	13	10	6	4	2		2	67
18.75			1	5	13	21	18	29	29	23	28	13	10	7	1			198
17.75		1	1	10	18	33	51	48	68	57	39	23	8		1			358
16.75		3	8	28	34	76	97	86	80	63	39	21	5	3				543
15.75	2	2	15	42	58	88	74	58	51	34	12	4	2					442
14.75		6	12	21	27	39	33	25	5	4	5		1					178
13.75		4	3	1	5	7	5	1		1	1							28
12.75		1					1											2
TOTALS	2	17	40	109	166	270	291	264	256	206	145	77	40	18	4	4	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WAIST DEPTH	17.01	1.67	0.592X +	9.578	1.49
X-THIGH CLEARANCE	12.44	1.25	0.335Y +	6.736	1.12

A BIVARIATE FREQUENCY TABLE FOR
WAIST DEPTH AND WAIST DEPTH, OVER FOUNDATION GARMENT

WAIST DEPTH, OVER FOUNDATION GARMENT

	11	12	13	14	15	16	17	18	19	20	21	22	23	24	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
25.75														1	1
24.75											1			1	3
23.75										2	3	4			9
22.75										5	2	1		1	10
21.75									4	6	7	5	2		24
20.75							5	9	15	3	1				33
19.75						7	19	20	10	2					58
18.75				1	40	63	48	20							172
17.75		1	6	38	122	95	23	7							292
16.75		2	42	160	176	39	5								424
15.75		27	134	125	50	2	1								339
14.75	2	44	66	21	3										136
13.75	2	5	4												11
12.75		1													1
TOTALS	4	80	252	345	391	206	101	61	31	19	12	7	1	3	1513

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WAIST DEPTH	17.12	1.69	0.813X +	4.400	0.78
X-WAIST DEPTH, OFG	15.65	1.85	0.970Y -	0.960	0.85

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
ABDOMINAL EXTENSION DEPTH AND BUTTOCK DEPTH

ABDOMINAL EXTENSION DEPTH	BUTTOCK DEPTH																TOT ALS
	15 .75	16 .75	17 .75	18 .75	19 .75	20 .75	21 .75	22 .75	23 .75	24 .75	25 .75	26 .75	27 .75	28 .75	29 .75	30 .75	
30.75												1					1
29.75											2						2
28.75									1	4	2	2	1				10
27.75								1	1	2	1	2				1	8
26.75									3	7	7	2					19
25.75							2	3	6	7	8						26
24.75						1	5	10	20	11	5	2	1				55
23.75					2	6	26	25	27	13	3	1					103
22.75				1	6	23	58	60	23	4							175
21.75				6	38	63	106	77	21	4	1						316
20.75			3	17	70	146	109	39	12	2							398
19.75			9	42	133	129	52	24	3								392
18.75		1	21	64	77	57	23	3	1								247
17.75		5	27	36	28	19	2	1									118
16.75	1	3	3	7	6	4	1										25
15.75			2	3	1												6
TOTALS	1	9	65	176	361	448	384	243	118	54	29	10	5	1	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-ABDOMINAL EXT DPTH	20.89	2.12	0.911X +	1.620	1.35
X-BUTTOCK DEPTH	21.15	1.79	0.650Y +	7.575	1.14

A BIVARIATE FREQUENCY TABLE FOR
ABDOMINAL EXTENSION DEPTH AND THIGH CLEARANCE

ABDOMINAL EXTENSION DEPTH	THIGH CLEARANCE																TOT ALS
	9 .00	9 .50	10 .00	10 .50	11 .00	11 .50	12 .00	12 .50	13 .00	13 .50	14 .00	14 .50	15 .00	15 .50	16 .00	16 .50	
30.75																	1
29.75											1	2	2				5
28.75										2	1	1		3	2	1	10
27.75								3		2	1	1	1		1		8
26.75					2	1		1	2	2	4	2	3	1		1	19
25.75							2	4	2	4	5	4	3	1			26
24.75				1	2	3	4	8	11	9	7	2	6	1	1		55
23.75					3	6	9	10	14	17	20	15	4	3	1		103
22.75				2	7	11	21	23	35	31	21	11	7	5	1		175
21.75			1	9	18	32	48	48	48	47	34	19	8	4			316
20.75		2	1	17	21	55	62	71	65	58	26	14	6				398
19.75	1	1	9	32	46	72	78	62	45	23	17	6					392
18.75		2	9	27	42	56	44	23	27	11	6						247
17.75	1	7	15	17	13	27	19	10	7	1	1						118
16.75		4	4	4	4	5	2	1									25
15.75			1		2	1	2										6
TOTALS	2	17	40	109	160	270	291	264	256	206	145	77	40	18	4	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-ABDOMINAL EXT DPTH	20.89	2.12	0.890X +	9.822	1.80
X-THIGH CLEARANCE	12.44	1.25	0.311Y +	5.939	1.06

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
ABDOMINAL EXTENSION DEPTH AND ABDOMINAL EXTENSION DEPTH, OVER FOUNDATION GARMENT

ABDOMINAL EXTENSION DEPTH, OVER FOUNDATION GARMENT

	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
ABDOMINAL EXTENSION DEPTH																		
30.75																	1	1
29.75																	3	6
28.75																	2	10
27.75																	2	5
26.75																	1	18
25.75																	5	23
24.75																	3	50
23.75																	1	88
22.75																	8	153
21.75																	1	262
20.75																	1	318
19.75																	1	298
18.75																	1	190
17.75																	1	74
16.75																	1	14
15.75																	1	3
TOTALS	2	9	44	139	227	269	269	207	124	94	51	27	19	14	7	5	6	1513

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-ABDOMINAL EXT DPTH	21.05	2.14	0.783X +	5.549	0.93
X-ABDOM EXT DPTH, OFG	19.80	2.46	1.035Y -	1.990	1.07

A BIVARIATE FREQUENCY TABLE FOR
BUTTOCK DEPTH AND THIGH CLEARANCE

THIGH CLEARANCE

	9	9	10	10	11	11	12	12	13	13	14	14	15	15	16	16	17	TOT
	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	ALS
BUTTOCK DEPTH																		
30.75																		1
29.75																		0
28.75																		1
27.75																		5
26.75																		10
25.75																		29
24.75																		54
23.75																		118
22.75																		243
21.75																		384
20.75																		448
19.75																		361
18.75																		176
17.75																		65
16.75																		9
15.75																		1
TOTALS	2	17	40	109	160	270	291	264	256	206	145	77	40	18	4	4	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-BUTTOCK DEPTH	21.15	1.79	0.845X +	10.645	0.591
X-THIGH CLEARANCE	12.44	1.25	0.414Y +	3.679	1.01

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
BUTTOCK DEPTH AND BUTTOCK DEPTH, OVER FOUNDATION GARMENT

BUTTOCK DEPTH, OVER FOUNDATION GARMENT

	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
BUTTOCK DEPTH																
30.75															1	1
29.75																0
28.75																1
27.75																1
26.75																9
25.75																25
24.75																52
23.75																104
22.75																205
21.75																310
20.75																360
19.75																266
18.75																122
17.75																47
16.75																6
TOTALS	3	28	123	215	319	347	226	112	73	28	16	13	5	3	2	1513

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-BUTTOCK DEPTH	21.29	1.81	0.807X +	3.865	0.85
X-BUTTOCK DEPTH, OFG	21.59	1.97	0.964Y +	1.068	0.93

A BIVARIATE FREQUENCY TABLE FOR
SHOULDER LENGTH AND NECK-TO-BUSTPOINT LENGTH

NECK-TO-BUSTPOINT LENGTH

	19	20	21	22	23	24	25	26	27	28	29	30	31	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
SHOULDER LENGTH														
19.00														1
18.50														0
18.00														4
17.50														8
17.00														31
16.50														72
16.00														146
15.50														260
15.00														309
14.50														370
14.00														356
13.50														186
13.00														110
12.50														38
12.00														13
11.50														1
TOTALS	1	12	55	144	301	395	389	282	180	83	43	15	5	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-SHOULDER LENGTH	14.66	1.02	0.156X +	10.684	0.98
X-NECK-BUSTPOINT L	25.49	1.89	0.533Y +	17.681	1.81

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
SHOULDER LENGTH AND STRAP LENGTH

STRAP LENGTH

	53	55	57	59	61	63	65	67	69	71	73	75	77	79	TOT
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
19.00											1				1
18.50															0
18.00					1		1	1		1					4
17.50						1	2	3	1	1					8
17.00					2	6	4	10	5	2		1	1		31
16.50			3	1	8	9	12	20	6	5	5	2	1		72
16.00			2	6	12	27	32	28	16	18	3	2			146
15.50			4	11	32	44	50	48	37	19	8	4	2	1	260
15.00		2	3	13	37	63	73	46	37	19	13	2	1		309
14.50			8	23	59	62	80	68	37	20	6	5	2		370
14.00	1	6	7	39	56	67	64	53	34	14	9	3	3		356
13.50		2	6	16	32	41	38	21	16	7	5	2			186
13.00			1	16	24	25	16	16	6	6					110
12.50		1		1	14	9	6	6			1				38
12.00	1			1	4	2	2	2							13
11.50					1										1
TOTALS	2	11	35	127	282	355	379	321	197	112	52	21	10	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-SHOULDER LENGTH	14.66	1.82	0.059X + 10.813	0.99	0.226
X-STRAP LENGTH	65.22	3.92	0.869Y + 52.481	3.82	

A BIVARIATE FREQUENCY TABLE FOR
INTERSCYE CURVATURE AND INTERSCYE CURVATURE, MAXIMUM

INTERSCYE CURVATURE, MAXIMUM

	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
43.75																	1		1						2
42.75																	1	1	1						3
41.75																	2	4	1	1				1	10
40.75																	4	4	1	2					21
39.75								1									5	6	5	9	2	2			50
38.75								1	1		2	5	9	11	18	16	12	12	10	4		2	1		104
37.75					1		6	2	1	10	13	17	22	16	26	21	5	4	3	1	1				149
36.75						2	3	8	9	26	23	31	39	40	20	16	10	5	2	1		1			236
35.75						4	4	8	9	20	26	38	45	37	34	19	15	7	3	2	1				272
34.75								8	14	30	47	45	40	48	21	26	9	3	3						311
33.75								14	31	38	20	21	23	12	10	5	1		1						302
32.75			2		3	7	8	19	29	29	52	43	30	33	24	10	10	3							196
31.75				1	1	10	8	14	31	38	20	21	23	12	10	5	1								140
30.75				3	3	1	6	7	8	12	10	6	6	4	2		2								71
29.75					4		2	3	2	6	3	3	3												27
28.75	1	1						2		1	1	1													8
27.75					1		1		1																3
TOTALS	1	1	7	8	18	31	49	86	126	172	212	213	232	217	183	133	100	53	38	17	5	4	4	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-INTERSCYE	35.06	2.44	0.417X + 14.461	2.02	0.561
X-INTERSCYE, MAXIMUM	49.39	3.29	0.756Y + 22.887	2.72	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
INTERSCYE CURVATURE AND BACK CURVATURE

		BACK CURVATURE																						TOT
		33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	ALS	
		.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	
INTERSCYE CURVATURE	43.75														1			1					2	
	42.75															1							3	
	41.75										1				1	1				1			10	
	40.75											4	1		2		2						21	
	39.75												1	8	14	4	4	2	5	2	1		50	
	38.75				1								15	18	11	9	4	2	1				104	
	37.75				1	2	2	2	7	16	18	29	23	13	12	11	9	4	1		1		149	
	36.75																						236	
	35.75			1													16	5	6		2		272	
	34.75	1		4	7	18	18	54	44	45	41	35	20	13	6	2				1			311	
	33.75	1		4	10	20	25	50	53	45	37	29	11	12	2	3							302	
	32.75		1	6	6	19	27	37	38	25	9	12	7	4			3	1	1				196	
	31.75			1	4	11	14	11	33	27	12	13	6	7									140	
	30.75	1	1	2	3	6	12	14	19	6	4	2		1			1						71	
	29.75				3	4	5	5	5	3	1		1										27	
	28.75			1		2		2	1	1	1												8	
	27.75		1					1				1											3	
TOTALS		3	4	23	48	94	126	250	279	230	226	190	136	121	59	56	20	22	5	11	1	1	1905	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-INTERSCYE	35.06	2.44	0.438X +	16.598	2.04
X-BACK CURVATURE	42.15	3.05	0.686Y +	18.096	2.55

A BIVARIATE FREQUENCY TABLE FOR
INTERSCYE CURVATURE, MAXIMUM AND BACK CURVATURE

		BACK CURVATURE																						TOT
		33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	ALS	
		.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	
INTERSCYE CURVATURE, MAXIMUM	60.75													1	1			1					1	
	59.75												1	1							1		4	
	58.75								1							2							4	
	57.75											1		1			1	1					5	
	56.75									1	2	1	2	4	2	3		1	1		1		17	
	55.75							1	2	5	4	9	3	3	4	4			2	1			38	
	54.75												5	4	10	1	6	4	2		1		53	
	53.75				2	2	2	4	6	10	15	13	12	13	8	3	2	4			4		100	
	52.75					3	2	14	17	13	22	16	13	13	9	5	1	2	2	1			133	
	51.75			1		4	13	15	34	16	16	28	15	15	7	11	4	3			1		183	
	50.75				2	10	10	34	26	30	29	28	19	12	4	10	1				1		217	
	49.75			3	2	7	14	31	29	41	28	22	21	16	8	5	2	3					232	
	48.75			2	7	11	20	32	34	28	23	20	15	9	7	3		1	1				213	
	47.75		1	2	6	15	13	27	38	31	25	16	10	15	6	2	3						212	
	46.75		1		4	5	12	32	35	24	17	13	8	4	1				1				172	
	45.75			1	3	14	11	21	17	19	13	8	9	3	2	1	1	2					126	
	44.75		1		2	3	3	8	16	11	8	12	5	7	2	1		1					80	
	43.75				3	3	4	3	9	11	4	8	2	1	1								49	
	42.75				1	1	5	3	7	8	2	2	1				1						31	
	41.75			1		1	1	2	6	3		3		1									18	
	40.75					1	1	2	1	1	1		1										8	
	39.75				1	1		1	2		1	1											7	
	38.75						1																1	
	37.75								1														1	
TOTALS		3	4	23	48	94	126	250	279	230	226	190	136	121	59	56	20	22	5	11	1	1	1905	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-INTERSCYE, MAXIMUM	49.39	3.29	0.450X +	30.425	2.99
X-BACK CURVATURE	42.15	3.05	0.388Y +	22.982	2.77

A BIVARIATE FREQUENCY TABLE FOR
WAIST BACK AND ANTERIOR WAIST LENGTH

	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
47.75							1				1					2
46.75								1	1	1			2	1		6
45.75						2	1	10	11	1	3	1		1	1	31
44.75					2	3	5	13	12	6	3	5	1			50
43.75				3	10	9	16	31	30	8	5	4	1	1		118
42.75		1	1	8	19	28	32	46	27	18	10	1	2			193
41.75		1	3	12	24	52	47	60	37	21	6					263
40.75		2	5	14	48	87	94	58	35	18	3	4				368
39.75		4	11	32	63	69	62	34	24	13	5					314
38.75		1	10	29	55	58	40	29	18	4	3					247
37.75	1	4	8	30	41	46	25	20	6		2					183
36.75		1	6	18	22	18	12	6	3	1						87
35.75			3	7	6	5	5	1								26
34.75	1		1	1	4	1	2	1	1							12
33.75		1	1	2	1											5
TOTALS	2	15	49	156	294	378	342	310	205	88	41	15	6	3	1	1905

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WAIST BACK	40.51	2.22	0.512X + 23.319	1.98	0.452
X-ANTERIOR WAIST LTH	33.58	1.96	0.399Y + 17.414	1.75	

	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
53.75																									1
52.75																									3
51.75																									2
50.75																									7
49.75																									2
48.75																									7
47.75																									22
46.75																									57
45.75																									96
44.75																									162
43.75																									230
42.75																									295
41.75																									346
40.75																									247
39.75																									199
38.75																									145
37.75																									56
36.75																									26
TOTALS	1	0	2	2	10	33	58	86	109	174	202	219	246	206	176	135	97	58	40	22	12	7	7	3	1905

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-SLEEVE INSEAM	44.13	2.42	0.576X - 1.713	1.48	0.792
X-SPINE-TO-WRIST LTH	79.58	3.32	1.088Y + 31.573	2.03	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
SPINE-TO-SCYE LENGTH (SLEEVE LENGTH SEGMENT) AND SPINE-TO-ELBOW LENGTH (SLEEVE LENGTH SEGMENT)

SPINE-TO-ELBOW LENGTH (SLEEVE LENGTH SEGMENT)

	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
25.50																		1		1
25.00													1	1	2				1	6
24.50													1	1						3
24.00											1	4								6
23.50											2	2		7	5	2				23
23.00											8	13	7	7	5	3				49
22.50											1	12	16	13	8	3	1	1		62
22.00											2	5	14	26	21	29	13	7	5	138
21.50											7	7	20	17	35	33	27	26	7	184
21.00											5	8	11	22	48	54	32	27	16	242
20.50											2	11	26	30	38	51	44	24	24	255
20.00											3	7	19	33	51	51	43	25	12	305
19.50											1	14	19	26	41	38	20	12	4	250
19.00											5	5	20	21	21	15	13	2	5	180
18.50											1	1	10	10	11	7	6	1	1	107
18.00											1	1	3	1	10	10	11	7	6	52
17.50											1	1	2	2	9	4	1			18
17.00											2	2	2	2	1	4	2			13
16.50											1	2								4
16.00																				3
15.50																				2
TOTALS	1	1	6	18	47	125	183	274	297	321	244	175	118	52	21	14	3	3	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-SPINE-TO-SCYE LGTH	20.37	1.36	0.308X +	3.944	1.14
X-SPINE-TO-ELBOW LGTH	53.32	2.41	0.969Y +	33.582	2.01

A BIVARIATE FREQUENCY TABLE FOR
SPINE-TO-SCYE LENGTH (SLEEVE LENGTH SEGMENT) AND SPINE-TO-WRIST LENGTH (SLEEVE LENGTH SEGMENT)

SPINE-TO-WRIST LENGTH (SLEEVE LENGTH SEGMENT)

	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
25.50																									1
25.00																									6
24.50																									3
24.00																									8
23.50																									23
23.00																									49
22.50																									62
22.00																									138
21.50																									184
21.00																									242
20.50																									255
20.00																									305
19.50																									250
19.00																									180
18.50																									107
18.00																									52
17.50																									18
17.00																									13
16.50																									4
16.00																									3
15.50																									2
TOTALS	1	0	2	2	10	33	58	86	109	174	202	219	246	206	176	135	97	58	40	22	12	7	7	3	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-SPINE-TO-SCYE LGTH	20.37	1.36	0.191X +	5.166	1.20
X-SPINE-TO-WRIST LGTH	79.58	3.32	1.141Y +	56.346	2.94

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
SPINE-TO-ELBOW LENGTH (SLEEVE LENGTH SEGMENT) AND SPINE-TO-WRIST LENGTH (SLEEVE LENGTH SEGMENT)

SPINE-TO-WRIST LENGTH (SLEEVE LENGTH SEGMENT)

	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
62.75																									2
61.75																						1	2		3
60.75																					1		1		3
59.75																			1	2	3	4			14
58.75																		1	6	8	4	2			21
57.75																2	8	12	20	7	3				52
56.75														10	20	43	28	11	5	1					118
55.75											1	1	4	16	43	66	31	11	2						175
54.75										2	1	7	33	73	79	35	12	4							244
53.75											13	49	123	86	34	9	3	2							321
52.75								1	4	28	73	92	63	23	10	3									297
51.75								7	28	69	84	58	19	8											274
50.75								26	47	61	26	12	4												183
49.75					2	12	29	37	28	13	4														125
48.75					3	11	17	13	2	1															47
47.75				1	4	7	4	2																	18
46.75				1	1	3																			6
45.75				1																					1
44.75	1																								1
TOTALS	1	0	2	2	10	33	58	86	109	174	202	219	246	206	176	135	97	58	40	22	12	7	7	3	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-SPINE-TO-ELBOW LTH	53.32	2.41	0.678X -	0.641	0.85
X-SPINE-TO-WRIST LTH	79.58	3.32	1.289Y +	10.858	1.18

A BIVARIATE FREQUENCY TABLE FOR
HAND LENGTH AND HAND BREADTH

HAND BREADTH

	6	6	6	6	6	7	7	7	7	7	8	8	8	8	TOT
	.15	.35	.55	.75	.95	.15	.35	.55	.75	.95	.15	.35	.55	.75	ALS
22.00											1				1
21.50													3		3
21.00									3		5	3	2		13
20.50					1			4	9	8	16	9	6	7	60
20.00						1	3	8	14	18	24	20	5	1	94
19.50			1			2	9	18	29	37	32	18	7	2	157
19.00					1	9	24	46	51	70	59	29	13	2	304
18.50					7	19	29	68	94	84	52	16	9	3	383
18.00		2			3	6	35	56	79	93	68	38	11	3	395
17.50			1		2	15	40	42	69	58	42	12	3	1	285
17.00					2	7	26	23	32	26	16	4	1		137
16.50				1	1	5	9	19	18	7	2				62
16.00					1	1	2	1	3						8
15.50								2							3
TOTALS	2	3	11	43	143	208	345	384	345	242	111	43	22	3	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-HAND LENGTH	18.38	0.96	1.200X +	9.318	0.84
X-HAND BREADTH	7.55	0.39	0.198Y +	3.914	0.34

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
HAND LENGTH AND HAND CIRCUMFERENCE

HAND LENGTH	HAND CIRCUMFERENCE														TOT ALS
	15 .00	15 .50	16 .00	16 .50	17 .00	17 .50	18 .00	18 .50	19 .00	19 .50	20 .00	20 .50	21 .00	21 .50	
22.00										1					1
21.50												3			3
21.00							1	1	3	4	2		1	1	13
20.50						2	4	10	16	11	6	9	1	1	60
20.00						3	10	26	21	22	7	2	3		94
19.50				2	5	12	21	38	39	21	16	2	1		157
19.00				5	10	32	60	63	67	41	21	3	2		304
18.50				7	19	46	95	108	61	29	12	6			383
18.00		1	1	14	41	67	97	94	51	23	5	1			395
17.50	1		3	14	40	68	72	52	20	12	2	1			285
17.00			1	14	23	36	33	19	4	7					137
16.50		1	1	9	14	9	16	9	1	2					62
16.00				3	1	3	1								8
15.50			1					2							3
TOTALS	1	2	7	66	153	278	410	422	283	173	71	27	8	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-HAND LENGTH	18.38	0.96	0.508X +	9.078	0.84
X-HAND CIRCUMFERENCE	18.32	0.91	0.455Y +	9.954	0.80

A BIVARIATE FREQUENCY TABLE FOR
HAND LENGTH AND FOOT LENGTH

HAND LENGTH	FOOT LENGTH														TOT ALS
	21 .00	21 .50	22 .00	22 .50	23 .00	23 .50	24 .00	24 .50	25 .00	25 .50	26 .00	26 .50	27 .00	27 .50	
22.00													1		1
21.50													3		3
21.00								2	1	1	3	3			13
20.50							3	3	14	17	11	7	1	4	60
20.00						4	4	9	15	29	18	9	4	2	94
19.50					1	7	23	23	41	34	16	8	3	1	157
19.00				7	17	37	44	75	57	45	18	4			304
18.50			2	13	24	66	93	101	57	21	5	1			383
18.00		4	16	26	53	94	95	63	30	12	2				395
17.50	1	2	14	41	80	70	38	24	11	4					285
17.00	2	7	20	26	44	20	11	7							137
16.50	4	7	17	13	12	9									62
16.00		1	4	2	1										8
15.50	1		1	1											3
TOTALS	8	21	74	129	232	307	311	307	226	163	73	32	15	7	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-HAND LENGTH	18.38	0.96	0.607X +	3.774	0.67
X-FOOT LENGTH	24.07	1.13	0.839Y +	8.645	0.79

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
HAND BREADTH AND HAND CIRCUMFERENCE

	HAND CIRCUMFERENCE														TOT ALS
	15 .00	15 .50	16 .00	16 .50	17 .00	17 .50	18 .00	18 .50	19 .00	19 .50	20 .00	20 .50	21 .00	21 .50	
HAND BREADTH															
8.75											2	1			3
8.55									1	2	3	10	4	2	22
8.35							1	1	1	13	15	10	2		43
8.15							2	16	29	39	18	5	2		111
7.95					1	2	26	56	84	92	20	1			242
7.75				2	2	20	66	129	85	34	7				345
7.55				2	19	54	112	122	53	19	3				384
7.35				8	31	86	127	63	19	9	2				345
7.15			1	13	40	68	46	30	6	4					208
6.95		1	3	19	45	39	26	4	4	1	1				143
6.75		1	2	19	8	9	2	1	1						43
6.55	1		1	4	4		1								11
6.35					2		1								3
6.15				1	1										2
TOTALS	1	2	7	68	153	278	410	422	283	173	71	27	8	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-HAND BREADTH	7.55	0.39	0.316X +	1.766	0.26
X-HAND CIRCUMFERENCE	18.32	0.91	1.715Y +	5.363	0.61

A BIVARIATE FREQUENCY TABLE FOR
HAND BREADTH AND FOOT BREADTH

FOOT BREADTH											
HAND BREADTH	7	7	8	8	9	9	10	10	11	TOT	
	.00	.50	.00	.50	.00	.50	.00	.50	.00	ALS	
	8.75					1	2			3	
	8.55			1	5	5	3			22	
	8.35			3	16	15	5	3	1	43	
	8.15		1	15	56	28	10	1		111	
	7.95		2	48	106	74	9	3		242	
	7.75		13	111	139	68	13	1		345	
	7.55		4	24	147	136	61	11	1	384	
	7.35	1	1	32	142	127	37	5		345	
	7.15	1	3	31	97	57	17	2		208	
	6.95		5	27	60	41	9	1		143	
6.75		4	18	12	8		1		43		
6.55			4	1	6				11		
6.35		1		1	1				3		
6.15			2						2		
TOTALS	2	18	154	638	698	315	67	11	2	1905	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-HAND BREADTH	7.55	0.39	0.349X +	4.459	0.35
X-FOOT BREADTH	8.87	0.50	0.571Y +	4.554	0.45

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
FOOT LENGTH AND FOOT BREADTH

	FOOT BREADTH										TOT ALS
	7 .00	7 .50	8 .00	8 .50	9 .00	9 .50	10 .00	10 .50	11 .00	11 .50	
FOOT LENGTH											
27.50					3	1	2	1			7
27.00				1	5	3	4	2			15
26.50				4	11	10	7				32
26.00				9	24	29	8	1	2		73
25.50			1	30	65	55	10	2			163
25.00			2	47	97	63	15	2			226
24.50		1	7	84	136	68	9	2			307
24.00		1	13	123	129	38	7				311
23.50		1	28	131	110	34	2	1			307
23.00		3	41	108	69	9	2				232
22.50	1	3	31	59	31	3	1				129
22.00	1	5	22	29	15	2					74
21.50		2	7	9	3						21
21.00		2	2	4							8
TOTALS	2	18	154	638	698	315	67	11	2		1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-FOOT LENGTH	24.07	1.13	1.167X +	13.720	0.97
X-FOOT BREADTH	8.87	0.50	0.227Y +	3.404	0.43

A BIVARIATE FREQUENCY TABLE FOR
HEAD LENGTH AND HEAD BREADTH

HEAD BREADTH																								
	12	12	17	13	13	13	14	14	14	14	14	15	15	15	15	15	16	16	16	16	16	17	TOT	
	.75	.95	.15	.35	.55	.75	.95	.15	.35	.55	.75	.95	.15	.35	.55	.75	.95	.15	.35	.55	.75	.95	.15	ALS
HEAD LENGTH	20.75									1														1
	20.55																							4
	20.35							1	2				1											3
	20.15						2			2							1							10
	19.95					1		2	3	2	2	3		1	1	1								16
	19.75						2	2	3	4		4	2	1	2							1		21
	19.55					1	3	6	7	8	9	5	6	5	3	6	1	1			1			62
	19.35		1	1	1	6	2	4	7	9	18	8	14	5	5	7	2							91
	19.15	1			2	3	7	5	20	9	24	8	15	4	8	6	3	1						116
	18.95	2		4	2	5	4	17	25	21	30	17	14	16	10	8	3	2	1					181
	18.75			1	1	6	6	18	20	17	28	15	24	18	8	5	1		1					169
	18.55	1	3	6	9	4	20	30	28	50	20	27	13	7	5	2	2							227
	18.35	3	1	6	13	3	14	31	33	44	25	23	13	9	6	1	3	3						228
	18.15	1	2	6	4	6	21	27	26	31	10	12	15	10	7	6	4							188
	17.95	3	3	3	11	6	24	19	28	36	15	21	13	10	4	3			1					200
	17.75			1	2	5	9	16	13	14	21	12	11	7	8	2	2	1						124
	17.55	1	1	3	17	4	18	11	18	20	5	15	5	3	6	2		1						123
	17.35			2	4	3	5	7	11	7	2	4	5	1	1	3	1							60
	17.15	1			3	1	4	4	5	7	5	2	3	1										36
	16.95		1	1			2	1	5	1	2	2	4	2	2									23
	16.75				1		1	3	1	2	1	4	1	1										15
	16.55						2			2			1		1									6
	16.35						1																	1
TOTALS	1	14	20	37	77	65	180	232	240	339	156	200	129	91	68	29	16	8	1	1	0	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-HEAD LENGTH	18.41	0.68	0.132X +	16.494	0.67
X-HEAD BREADTH	14.52	0.59	0.101Y +	12.656	0.59

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
HEAD LENGTH AND HEAD CIRCUMFERENCE

HEAD CIRCUMFERENCE

	50	50	51	51	52	52	53	53	54	54	55	55	56	56	57	57	58	58	59	59	60	60	61	61	TOT
	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	ALS
20.75																			1						1
20.55																	1	1							4
20.35																	1	1							3
20.15															1	2	1	1	3	1	1				10
19.95														2	2	4	2	4	1	1					16
19.75										1	1	3		3	2	5	3				1				21
19.55									2	2	3	5	7	8	10	10	10	3	2		1	1			62
19.35								3	3	6	7	13	16	11	14	11	4	1	1						91
19.15				1				1	1	13	13	12	25	16	19	5	6	3			1				116
18.95					1			5	9	19	30	23	35	20	21	6	5	3	1	1					181
18.75						2		7	15	19	44	27	27	11	6	8	3					1			169
18.55						4	9	11	35	31	45	23	34	19	9	1	4	2							227
18.35					2	6	16	19	38	46	43	15	19	11	8	2	3								228
18.15		1	1	1	3	18	14	37	28	36	19	16	10	3				1							188
17.95		1	2	5	12	36	29	31	37	16	8	15	4												200
17.75		4	3	7	11	16	15	23	19	16	4	4	1				1								124
17.55		3	8	17	13	15	14	20	17	9	3	3			1										123
17.35		3	2	11	9	9	9	6	4	1	1	1													60
17.15		1	1	11	12	4	3	1	2			1													36
16.95		1	1	1	1	4	7	2	4	2															23
16.75			1	2	4	4	1	1	1	1															15
16.55	1				3																				6
16.35		1																							1
TOTALS	1	1	18	20	63	79	134	133	226	247	267	157	204	118	103	51	45	19	8	5	3	0	2	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-HEAD LENGTH	18.41	0.68	0.289X +	2.554	0.49
X-HEAD CIRCUMFERENCE	54.87	1.62	1.655Y +	24.397	1.17

A BIVARIATE FREQUENCY TABLE FOR
HEAD LENGTH AND SAGITTAL CURVATURE

SAGITTAL CURVATURE

	30	30	31	31	32	32	33	33	34	34	35	35	36	36	37	37	38	38	39	39	40	40	41	41	TOT
	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	ALS
20.75															1										1
20.55										1					1										4
20.35										2	2			1	1	2				2					10
20.15										3			2	3	2	2									3
19.95										1	1		2	3	1										16
19.75									3	1	1		4	3	1										21
19.55							1	1	2	5	9	6	18	7	2	4	4	2		1					62
19.35						1	2	1	11	10	20	5	18	7	5	4	6								91
19.15				1		7	3	11	17	19	10	22	9	7	4	4	4	1	1						116
18.95		1		3		1	6	9	14	18	40	21	27	15	12	6	2	4			1				181
18.75					1	8	4	19	27	49	16	20	4	8	7	4	1	1							169
18.55					4	6	16	8	34	23	51	31	22	12	12	3	3	1							227
18.35		1			10	2	18	13	37	32	53	22	15	7	8	3	2	2	2		1				228
18.15		1	1	5	2	25	14	38	26	37	14	15	8	7	2			1							188
17.95		3	2	8	5	27	21	33	26	32	11	17	5	3	2	4	1								200
17.75		2	1	7	8	16	13	21	19	24	6	4	1		2										124
17.55		2	1	3	16	7	13	11	21	15	21	4	5	2	1			1							123
17.35		1			2	3	15	6	12	8	7	4	1				1								60
17.15		1	1	1	2	3	11	6	5	2	2	2	1												36
16.95	1			1	3	1	4	2	4	2	2		3												23
16.75						2	5	1	2	1	3		1												15
16.55					1	3		1	1																6
16.35							1																		1
TOTALS	1	3	11	10	63	42	175	114	260	238	372	154	198	83	72	43	33	17	9	2	3	0	1	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-HEAD LENGTH	18.41	0.68	0.207X +	11.209	0.60
X-SAGITTAL CURVATURE	34.79	1.49	0.996Y +	16.449	1.33

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
HEAD BREADTH AND HEAD CIRCUMFERENCE

HEAD CIRCUMFERENCE

	50	50	51	51	52	52	53	53	54	54	55	55	56	56	57	57	58	58	59	59	60	60	61	61	TOT
	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	ALS
HEAD BREADTH	17.15																								1
16.95																									0
16.75																									0
16.55																									1
16.35																									1
16.15																									8
15.95																									16
15.75																									29
15.55																									68
15.35																									91
15.15																									129
14.95																									200
14.75																									156
14.55																									339
14.35																									240
14.15																									232
13.95																									180
13.75	1	1																							65
13.55																									77
13.35																									37
13.15																									20
12.95																									14
12.75																									1
TOTALS	1	1	18	20	63	79	134	133	226	247	267	157	204	118	103	51	45	19	8	5	3	0	2	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-HEAD BREADTH	14.52	0.59	0.158X +	5.847	0.54
X-HEAD CIRCUMFERENCE	54.87	1.62	1.174Y +	37.824	1.47

A BIVARIATE FREQUENCY TABLE FOR
HEAD BREADTH AND BITRAGION-CORONAL CURVATURE

BITRAGION-CORONAL CURVATURE

	29	29	30	30	31	31	32	32	33	33	34	34	35	35	36	36	37	37	38	38	39	TOT
	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	ALS
HEAD BREADTH	17.15																					1
16.95																						0
16.75																						0
16.55																						1
16.35																						1
16.15																						8
15.95																						16
15.75																						29
15.55																						68
15.35																						91
15.15																						129
14.95																						200
14.75																						156
14.55																						339
14.35																						240
14.15																						232
13.95																						180
13.75																						65
13.55																						77
13.35	1																					37
13.15																						20
12.95																						14
12.75																						1
TOTALS	1	0	8	7	35	49	120	142	290	197	290	253	208	112	104	31	34	15	7	0	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-HEAD BREADTH	14.52	0.59	0.178X +	8.477	0.54
X-BITRAGION-CORONAL	33.92	1.40	0.992Y +	19.523	1.27

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
HEAD BREADTH AND BIOCLULAR BREADTH

BIOCLULAR BREADTH

HEAD BREADTH	BIOCLULAR BREADTH																TOT
	.7	.8	.8	.8	.8	.8	.9	.9	.9	.9	.9	10	10	10	10	11	ALS
17.15	.95	.15	.35	.55	.75	.95	.15	.35	.55	.75	.95	.15	.35	.55	.75	.95	1
16.95																	0
16.75																	0
16.55																	1
16.35																	1
16.15																	8
15.95																	16
15.75																	29
15.55																	68
15.35																	91
15.15																	129
14.95																	200
14.75																	156
14.55																	339
14.35																	240
14.15																	232
13.95																	180
13.75																	65
13.55																	77
13.35																	37
13.15																	20
12.95																	14
12.75																	1
TOTALS	1	3	13	21	46	100	200	218	338	286	260	186	105	74	30	13	3 1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-HEAD BREADTH	14.52	0.59	0.252X +	12.020	0.58	0.213
X-BIOCLULAR BREADTH	9.67	0.49	0.176Y +	7.118	0.48	

A BIVARIATE FREQUENCY TABLE FOR
HEAD BREADTH AND BIAURICULAR BREADTH

BIAURICULAR BREADTH

HEAD BREADTH	BIAURICULAR BREADTH														TOT
	.13	.14	.14	.15	.15	.16	.16	.17	.17	.18	.18	.19	.19	.20	ALS
17.15	.50	.30	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	1
16.95															0
16.75															0
16.55															1
16.35															1
16.15															8
15.95															16
15.75															29
15.55															68
15.35															91
15.15															129
14.95															200
14.75															156
14.55															339
14.35															240
14.15															232
13.95															180
13.75															65
13.55															77
13.35															37
13.15															20
12.95															14
12.75															1
TOTALS	9	88	170	283	322	407	309	204	83	16	12	1	0	1 1905	

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-HEAD BREADTH	14.52	0.59	0.176X +	11.729	0.57	0.282
X-BIAURICULAR BROTH	15.83	0.95	0.450Y +	9.302	0.91	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
HEAD BREADTH AND BITRAGION BREADTH

BITRAGION BREADTH

	11	11	11	11	12	12	12	12	12	13	13	13	13	13	14	14	14	14	14	15	TOT
	.35	.55	.75	.95	.15	.35	.55	.75	.95	.15	.35	.55	.75	.95	.15	.35	.55	.75	.95	.15	ALS
HEAD BREADTH	17.15																			1	1
16.95																					0
16.75																					0
16.55																					1
16.35																					1
16.15																					8
15.95																					16
15.75																					29
15.55																					68
15.35																					91
15.15																					129
14.95																					200
14.75																					156
14.55																					339
14.35																					240
14.15																					232
13.95																					180
13.75																					65
13.55																					77
13.35																					37
13.15																					20
12.95																					14
12.75																					1
TOTALS	2	8	15	57	109	130	320	248	354	242	153	156	45	38	16	7	3	1	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-HEAD BREADTH	14.52	0.59	0.698X +	5.519	0.48
X-BITRAGION BREADTH	12.89	0.50	0.493Y +	5.733	0.40

A BIVARIATE FREQUENCY TABLE FOR
HEAD BREADTH AND BIZYGOMATIC BREADTH

BIZYGOMATIC BREADTH

	10	11	11	11	11	11	12	12	12	12	12	13	13	13	13	13	14	14	14	14	14	TOT
	.95	.15	.35	.55	.75	.95	.15	.35	.55	.75	.95	.15	.35	.55	.75	.95	.15	.35	.55	.75	.95	ALS
HEAD BREADTH	17.15																					1
16.95																						0
16.75																						0
16.55																						1
16.35																						1
16.15																						8
15.95																						16
15.75																						29
15.55																						68
15.35																						91
15.15																						129
14.95																						200
14.75																						156
14.55																						339
14.35																						240
14.15																						232
13.95																						180
13.75																						65
13.55																						77
13.35																						37
13.15																						20
12.95																						14
12.75																						1
TOTALS	1	10	8	31	19	79	107	100	262	233	317	240	161	172	76	48	28	7	4	1	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-HEAD BREADTH	14.52	0.59	0.511X +	7.924	0.52
X-BIZYGOMATIC BROTTH	12.90	0.58	0.483Y +	5.888	0.50

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
HEAD BREADTH AND BIGONIAL BREADTH

		BIGONIAL BREADTH																				TOT		
		.8	.8	.8	.8	.8	.9	.9	.9	.9	.9	.9	.10	.10	.10	.10	.10	.11	.11	.11	.11	.11	.12	TOT
		.15	.35	.55	.75	.95	.15	.35	.55	.75	.95	.15	.35	.55	.75	.95	.15	.35	.55	.75	.95	.15	ALS	
17.15	HEAD BREADTH																		1					1
16.95																								0
16.75																								0
16.55																		1						1
16.35																								1
16.15																			1					1
15.95									1										3					8
15.75														2	2			2	1	1				16
15.55										5	2	8	10	7	9	7		4	9		2			29
15.35						1	2	6	13	18	18	17	14	7	9	5		5	1	4				91
15.15						1	3	6	4	18	16	17	12	12	18	8		2	3	2	1			129
14.95						2	5	9	10	26	41	24	39	12	17	6		7	1			1		200
14.75						1	6	5	8	11	31	28	16	23	12	7		2	2	3				156
14.55						6	8	8	36	27	57	50	36	47	17	21		11	4	5	1	1		339
14.35						1	11	19	21	42	40	34	26	16	12	7		2	1					240
14.15						7	15	11	25	17	35	47	17	30	12	8		6		2				232
13.95						3	8	8	21	18	33	31	21	18	9	5		3						180
13.75						3	4	4	12	8	16	5	3	5	2	1		2						65
13.55						4	6	12	8	20	8	2	7	5	1			1	1					77
13.35		1	1					2	8	3	5	5	1	3	1									37
13.15						1	2	1	3	1	4	2	2	2						1				20
12.95		1					2		3	2	1	1	3		1									14
12.75						1																		1
TOTALS		2	1	4	7	26	61	67	167	140	310	312	194	255	116	117	66	30	23	4	2	1		1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-HEAD BREADTH	14.52	0.59	0.356X +	10.889	0.56	0.337
X-BIGONIAL BREADTH	10.19	0.56	0.319Y +	5.556	0.53	

A BIVARIATE FREQUENCY TABLE FOR
HEAD BREADTH AND NASAL BREADTH

HEAD BREADTH	NASAL BREADTH												TCT
	.2 .35	.2 .55	.2 .75	.2 .95	.3 .15	.3 .35	.3 .55	.3 .75	.3 .95	.4 .15	.4 .35	.4 .55	ALS
17.15													1
16.95													0
16.75													0
16.55													1
16.35													1
16.15													8
15.95													16
15.75													29
15.55													68
15.35	1												91
15.15													129
14.95													200
14.75													156
14.55	1												339
14.35													240
14.15	3												232
13.95	1												180
13.75	1												65
13.55													77
13.35													37
13.15													20
12.95													14
12.75													1
TOTALS	7	61	203	380	516	370	205	90	44	17	8	4	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-HEAD BREADTH	14.52	0.59	0.315X +	13.509	0.59	0.175
X-NASAL BREADTH	3.19	0.33	0.097Y +	1.786	0.32	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
HEAD BREADTH AND LIP LENGTH

HEAD BREADTH	LIP LENGTH															TOT ALS
	.15	.35	.55	.75	.95	.15	.35	.55	.75	.95	.15	.35	.55	.75		
17.15										1						1
16.95																0
16.75																0
16.55													1			1
16.35								1								1
16.15								4	1	2	1					8
15.95					2	2	3	3		4	2					16
15.75			1	2	1	5	2	6	9	1	1		1			29
15.55			1	2	5	9	10	14	9	11	3	3		1		68
15.35				1	5	26	14	16	13	11	4	1				91
15.15		1	1	7	11	22	15	23	25	13	8	3				129
14.95	1	1	9	10	20	35	33	38	26	12	10	2	3			200
14.75			4	9	14	21	32	34	16	10	10	4	1	1		156
14.55		1	4	28	43	70	40	73	35	22	15	3	5			339
14.35	1		3	8	32	68	32	42	20	20	8	3	2	1		240
14.15	1	4	12	25	28	46	34	36	26	14	3	3				232
13.95	1	1	8	14	21	34	37	32	15	7	8	2				180
13.75			3	7	3	20	10	8	6							65
13.55		2	1	5	8	17	15	12	11	2	2		1	1		77
13.35	1	1	1	1	6	8	10	2	3	2		1	1			37
13.15				1	8	5	1	3	2							20
12.95		1		1	5	2	2	1	1	1						14
12.75					1											1
TOTALS	5	12	48	121	213	390	294	345	222	137	75	25	14	4		1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-HEAD BREADTH	14.52	0.59	0.246X + 13.438	0.59	0.174
X-LIP LENGTH	4.38	0.42	0.123Y + 2.593	0.41	

A BIVARIATE FREQUENCY TABLE FOR
HEAD CIRCUMFERENCE AND SAGITTAL CURVATURE

SAGITTAL CURVATURE																									
HEAD CIRCUMFERENCE	30	30	31	31	32	32	33	33	34	34	35	35	36	36	37	37	38	38	39	39	40	40	41	41	TOT
	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	ALS
61.50																								1	1
61.00													1										1		2
60.50																									0
60.00													1	1											3
59.50										1							1								5
59.00											1	1	1	1		1			1						8
58.50										2	2	1	2	5	2			2	1						19
58.00							1		2	4	5	6	5	6	5	4	3	2	1		1				45
57.50							1		1	2	8	3	10	2	10	6	5	1	1		1				51
57.00					1		2		7	6	18	8	23	7	7	6	7	6	3		1				103
56.50						1	4	5	5	10	22	15	25	10	10	3	7		1						118
56.00					1	2	5	2	21	25	46	21	39	18	9	7	5	2	1						204
55.50					2	1	8	7	17	16	45	14	23	13	3	6	2								157
55.00					7	2	21	20	41	28	77	22	22	11	13	1	1								267
54.50					4	3	16	10	35	81	34	29	16	6	6	4		3							247
54.00			2		5	8	26	19	48	23	54	20	17	3	1										226
53.50			2	1	7	3	17	14	24	17	30	9	6	1	1	1									133
53.00			2		10	8	27	20	28	12	16	3	4	2		1	1								134
52.50	1	2	3	9	4	20	9	18	5	8															79
52.00	2	3		10	5	16	6	7	6	3	3	2													63
51.50		2	2	3	2	5	1	3		2															20
51.00			2	4	2	6		3		1															18
50.50	1																								1
50.00					1																				1
TOTALS	1	3	11	10	63	42	175	114	260	238	372	154	198	83	72	43	33	17	9	2	3	0	1	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-HEAD CIRCUMFERENCE	54.87	1.62	0.648X + 32.324	1.31	0.594
X-SAGITTAL CURVATURE	34.79	1.49	0.545Y + 4.884	1.20	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
HEAD CIRCUMFERENCE AND BITRAGION-CORONAL CURVATURE

BITRAGION-CORONAL CURVATURE

	29	29	30	30	31	31	32	32	33	33	34	34	35	35	36	36	37	37	38	38	39	TOT
	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	ALS
61.50																					1	1
61.00																1		1				2
60.50																						0
60.00											1		1						1			3
59.50													1		2		1	1				5
59.00											1	1			3	1	1	1				8
58.50									1		2	2	3	2	6	1	1	1				19
58.00							1	3	2	5	6	3	7	7	7	6	4			1		45
57.50								2	2	8	9	5	14	4	3	2	1	1				51
57.00						4	1	9	5	15	15	16	11	17	2	7		1				103
56.50					1	3	3	7	15	12	21	18	12	13	7	3	1	2				118
56.00			1		1	3	10	21	20	35	36	36	16	15	4	4	1	1				204
55.50				1		4	4	7	23	21	26	24	27	6	9	2	2	1				157
55.00					1	4	7	18	43	34	45	34	36	18	15	6	2	3	1			267
54.50				1	6	1	11	19	38	27	40	51	31	10	3	4	5					247
54.00					3	5	21	20	49	28	45	22	17	10	6							226
53.50			1		1	8	17	11	30	21	19	12	6	5	2							133
53.00			2		9	5	19	24	31	12	21	6	3	1	1							134
52.50			1	1	5	8	11	9	21	4	8	3										79
52.00			3	2	6	4	15	13	6	5	6	1	1		1							63
51.50	1		2	1		4	3	3	4			2										20
51.00					2	4	2	2	1	2	2	1										18
50.50					1																	1
50.00								1														1
TOTALS	1	0	8	7	35	49	120	142	290	197	290	253	208	112	104	31	34	15	7	0	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-HEAD CIRCUMFERENCE	54.87	1.62	0.626X +	33.630	1.36
X-BITRAGION-CORONAL	33.92	1.40	0.469Y +	8.190	1.18

A BIVARIATE FREQUENCY TABLE FOR
HEAD CIRCUMFERENCE AND BIOCULAR BREADTH

BIOCULAR BREADTH

	7	8	8	8	8	8	9	9	9	9	10	10	10	10	10	11	TOT	
	.95	.15	.35	.55	.75	.95	.15	.35	.55	.75	.95	.15	.35	.55	.75	.95	ALS	
61.50															1		1	
61.00											1	1					2	
60.50																	0	
60.00											1	1					3	
59.50									1	1				1			5	
59.00							1				2	1				1	8	
58.50											1	3		2			19	
58.00							1	3	8	7	10	5	6	3	1		45	
57.50						2	4	3	7	10	7	5	3	5	4		51	
57.00			2		1	2	5	9	29	13	15	14	5	6	1	1	103	
56.50					1	5	9	14	19	16	23	10	7	12	1	1	118	
56.00					1	2	12	13	27	26	34	37	25	15	8	3	1	204
55.50				1	1	3	9	12	16	28	26	21	19	12	5	2	2	157
55.00			1	6	4	16	29	27	40	37	37	24	27	10	7	2	2	267
54.50		1	1	3	7	14	27	20	43	38	33	32	14	6	4	3	1	247
54.00			1		10	11	33	24	47	35	29	21	8	5	1	1		226
53.50		1	1	1	3	10	18	19	20	26	16	10	3	3	2			133
53.00	1		1	3	5	10	18	29	27	19	13	5	1	1	1			134
52.50			1	2	4	2	14	11	14	8	9	6	3	3	1	1		79
52.00		1	3	4	2	2	10	6	15	9	8	2			1			63
51.50			1			2	3	4	5	2		2	1					20
51.00					2	2	2		4	6	2							18
50.50								1										1
50.00									1									1
TOTALS	1	3	13	21	46	100	200	218	338	286	268	186	105	74	30	13	3	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-HEAD CIRCUMFERENCE	54.87	1.62	0.648X +	46.663	1.57
X-BIOCULAR BREADTH	9.67	0.49	0.078Y +	5.393	0.48

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
HEAD CIRCUMFERENCE AND BIAURICULAR BREADTH

	BIAURICULAR BREADTH																TOT ALS
	13 .50	14 .00	14 .50	15 .00	15 .50	16 .00	16 .50	17 .00	17 .50	18 .00	18 .50	19 .00	19 .50	20 .00	20 .50	20 .00	
61.50																	1
61.00					1	1											2
60.50																	0
60.00				1					2								3
59.50					2	1	1		1								5
59.00					1	2	3			2							8
58.50		1	1		1	4	6	5	1								19
58.00		1	2	4	4	9	8	10	6		1						45
57.50			5	7	11	9	9	5	5			1					51
57.00		4	3	20	14	24	19	14	5								103
56.50		3	9	9	24	30	20	15	6	2							118
56.00		2	11	28	39	52	38	17	14			1					204
55.50		6	20	27	17	38	23	20	9	1	4						157
55.00		8	22	34	52	59	39	33	16	2	2						267
54.50		7	25	36	44	53	49	25	5	3							247
54.00	3	12	26	38	41	38	37	20	4	4	3						226
53.50	1	7	8	30	19	33	22	11									133
53.00	1	15	16	22	27	20	13	14	6								134
52.50	1	5	10	10	12	22	10	8	1								79
52.00	1	9	5	12	6	16	8	4	2								63
51.50	1	4	3	2	4	2	2	2									20
51.00	1	3	4	3	3	2	2										18
50.50		1															1
50.00								1									1
TOTALS	9	88	170	283	322	407	309	204	83	16	12	1	0	1	1905		

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-HEAD CIRCUMFERENCE	54.87	1.62	0.372X + 48.975	1.58	0.217
X-BIAURICULAR BREADTH	15.83	3.95	0.127Y + 8.866	0.93	

A BIVARIATE FREQUENCY TABLE FOR
HEAD CIRCUMFERENCE AND BITRAGION BREADTH

BITRAGION BREADTH																					
	11	11	11	11	12	12	12	12	12	13	13	13	13	13	14	14	14	14	14	15	TOT
	.35	.55	.75	.95	.15	.35	.55	.75	.95	.15	.35	.55	.75	.95	.15	.35	.55	.75	.95	.15	ALS
61.50																				1	1
61.00										2											2
60.50																					0
60.00																					3
59.50									1	1				1							5
59.00										2				2							6
58.50						1	1	2	2	6	3	2	2			1	1				19
58.00					1	1	1	2	8	7	9	6	4	1		4	1				45
57.50						2	7	4	8	12	5	8				4	1				51
57.00			1		4	5	10	12	16	15	11	16	4	5	1	1		2			103
56.50					5	1	12	18	24	13	13	18	6	5	1	2					118
56.00					2	9	12	25	18	36	34	27	24	8	7	2					204
55.50					2	6	12	19	23	32	21	18	15	3	1	4					157
55.00					1	2	8	17	50	40	52	30	30	22	8	4	2				267
54.50		1	1	8	12	17	46	37	47	34	15	20	2	6			1				247
54.00		3	15	14	14	46	32	47	31	7	10	4	4	2		1					226
53.50		1	7	13	13	36	12	25	17	4	4	1									133
53.00	1	1	4	9	14	10	26	26	25	6	6	5		1							134
52.50		2	1	3	12	8	20	11	11	7	1	3									79
52.00	1	1	1	4	6	10	14	5	14	5	1	1									63
51.50		1	2	3	2	5	3	1	2	1											20
51.00		2		1	3	2	4	3	1	1	1										18
50.50								1													1
50.00				1																	1
TOTALS	2	8	15	57	109	130	320	248	354	242	153	156	45	38	16	7	3	1	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-HEAD CIRCUMFERENCE	54.87	1.62	1.325X + 37.787	1.48	0.408
X-BITRAGION BREADTH	12.89	0.50	0.126Y + 5.976	0.46	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
HEAD CIRCUMFERENCE AND BIZYGOMATIC BREADTH

BIZYGOMATIC BREADTH

	10	11	11	11	11	11	12	12	12	12	12	13	13	13	13	13	14	14	14	14	14	TOT
	.95	.15	.35	.55	.75	.95	.15	.35	.55	.75	.95	.15	.35	.55	.75	.95	.15	.35	.55	.75	.95	ALS
61.50																						1
61.00												1					1					2
60.50																						0
60.00									1			1					1					3
59.50											1	1	1									5
59.00						1								1	1	1	2	1				8
58.50							1				2	3	1	2								19
58.00					1			1	4	6	4	4	5	7	3	5	1			1		45
57.50				1		1	1	3	8	3	8	5	6	9	2	2	2					51
57.00				2	1	4	4	2	7	5	19	14	10	22	7	2	2	1	1			103
56.50					1	2	5	5	13	12	16	19	8	14	11	6	4	2				118
56.00		1			2	2	5	7	12	25	19	31	26	22	26	15	7	4				204
55.50			1		1	1	4	8	8	20	20	18	31	16	15	4	6	3		1		157
55.00		1	2	4	3	7	7	8	32	41	50	32	27	20	18	8	4	1	1	1		267
54.50		2		4	4	10	14	12	27	35	48	38	18	23	6	3	2	1				247
54.00		2	2	5	3	12	11	17	30	28	42	28	19	18	4	3	2					226
53.50		1	2	4	1	9	11	9	21	20	26	13	9	7								133
53.00		1	1	5	1	9	10	9	32	16	21	14	8	3	2	1	1					134
52.50	1	1				3	10	8	14	9	17	7	3	3	1	2						79
52.00		1				10	4	2	17	13	4	4	5	2								63
51.50					1	2	5	2	3	4	2	1										20
51.00				2			4	2	3	2	3		1	1								18
50.50							1															1
50.00											1											1
TOTALS	1	10	8	31	19	79	107	100	262	233	317	240	161	172	76	48	28	7	4	1	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-HEAD CIRCUMFERENCE	54.87	1.62	0.839X + 44.043	1.55	0.299
X-BIZYGOMATIC BROTH	12.90	0.58	0.106Y + 7.083	0.55	

A BIVARIATE FREQUENCY TABLE FOR
HEAD CIRCUMFERENCE AND BIGONIAL BREADTH

BIGONIAL BREADTH

	8	8	8	8	8	9	9	9	9	9	10	10	10	10	10	11	11	11	11	11	12	TOT
	.15	.35	.55	.75	.95	.15	.35	.55	.75	.95	.15	.35	.55	.75	.95	.15	.35	.55	.75	.95	.15	ALS
61.50																						1
61.00																						2
60.50																						0
60.00																						3
59.50											1	1				1					1	5
59.00																						8
58.50						2		2	1	2	2	1	3	2	3		1		2	1		19
58.00						1	1	1	4	2	7	4	1	9	3	6	2	5				45
57.50						1	1	2	2	8	9	7	7	4	5	3	1	1				51
57.00						2	1	3	7	7	8	16	13	15	11	10	4	2	4			103
56.50							5	1	7	3	15	20	12	17	11	14	6	1	1	1		118
56.00			1			5	5	19	18	31	38	20	24	9	14	8	7	3	1	1		204
55.50			1			4	7	2	7	8	28	27	12	29	8	6	6	5	5	1		157
55.00						1	6	12	27	21	40	38	27	46	16	13	13	4	1		1	267
54.50						2	4	7	9	16	19	37	48	34	29	12	19	7	2			247
54.00						2	3	6	11	22	17	36	40	24	22	18	15	7	1			226
53.50			1			1	6	5	11	12	27	26	12	21	4	4	1		1			133
53.00		2				5	3	10	16	12	24	23	12	14	9	1	3					134
52.50			1			3	3	8	6	21	8	12	7	5	3	1			1			79
52.00						2	4	4	9	6	12	9	6	5	2	2						63
51.50							4		7	2	3	2										20
51.00								1	2	3	7		1	3								18
50.50																						1
50.00																						1
TOTALS	2	1	4	7	26	61	67	167	140	310	312	194	255	116	117	66	30	23	4	2	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-HEAD CIRCUMFERENCE	54.87	1.62	0.615X + 48.601	1.59	0.213
X-BIGONIAL BREADTH	10.19	0.56	0.074Y + 6.126	0.55	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
TRAGION TO TOP OF HEAD AND TRAGION TO WALL

TRAGION TO WALL

	7	8	8	9	9	10	10	11	11	12	12	13	13	14	14	TOT
	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	ALS
16.00									1							1
15.50									1	2						3
15.00						2		1	2	3	1	2				11
14.50				1	3	7	6	15	8	4	3		2		1	50
14.00			3	5	13	19	14	32	10	16	3	2	1			118
13.50		1	3	19	41	68	40	45	18	11	3	3	1	2		255
13.00	2	3	6	54	74	132	87	56	18	17	5	1	3			458
12.50		3	18	49	87	123	91	48	15	10	1	2	2			449
12.00		3	9	62	81	124	77	30	7	4						403
11.50		2	4	14	27	38	19	14	5							123
11.00					9	7	4	1	1							29
10.50			1	6	4	1										5
TOTALS	2	12	44	210	339	521	338	242	86	67	20	12	9	2	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-TRAGION-TOP HEAD	12.73	0.76	0.268X +	9.999	0.73
X-TRAGION TO WALL	10.17	0.90	0.371Y +	5.451	0.85

A BIVARIATE FREQUENCY TABLE FOR
ECTOCANTHUS TO TOP OF HEAD AND ECTOCANTHUS TO WALL

ECTOCANTHUS TO WALL

	13	14	14	15	15	16	16	17	17	18	18	19	19	20	20	21	TOT
	.50	.90	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	ALS
15.50										2		1					3
15.00					1				1			1					3
14.50						1	1	1	3	2			1				9
14.00			1		1	2	11	5	6	2	4	1				1	34
13.50				2	4	10	12	8	15	8	3						62
13.00		1	3	6	20	23	17	32	24	12	7	4	1			1	151
12.50	1		2	15	32	45	62	37	33	20	11	4			1		263
12.00		1	4	29	74	91	78	68	44	12	5	7	3	1			417
11.50	1	5	6	43	53	87	84	50	29	8	3	3					372
11.00		1	14	38	65	88	75	40	12	13	2	1	1	1			351
10.50		2	7	20	33	47	29	20	7	2							169
10.00		1	2	7	12	23	8	5	3			1					62
9.50				3	1	2											6
9.00				1	1			1									3
TOTALS	2	11	39	164	297	419	377	267	177	81	37	23	6	2	2	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-ECTOCANTHUS-TOP HD	11.76	0.92	0.290X +	7.019	0.88
X-ECTOCANTHUS-WALL	16.37	0.97	0.322Y +	12.577	0.92

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
PRONASALE TO TOP OF HEAD AND PRONASALE TO WALL

PRONASALE TO WALL

	18	19	19	20	20	21	21	22	22	23	23	24	24	25	TOT
	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	ALS
19.50										1					1
19.00										1					1
18.50				1		1		1	1		1				6
18.00		1	2		2	4	2	3	4						18
17.50			1	1	1	4	9	5	1	1	3				26
17.00	1			5	7	10	3	10	1	4	1	3	1		46
16.50	1	1	4	11	10	17	16	17	7	5	2			1	92
16.00		3	3	14	25	46	24	26	17	7	4	2			171
15.50		2	7	34	41	51	27	31	21	10	1	3	3		231
15.00		4	16	35	63	83	60	55	25	9	3	1	1		355
14.50		3	13	27	47	83	49	43	28	11	1	2	1	2	310
14.00		3	9	33	53	92	43	35	13	10	3	2			296
13.50	1	2	3	24	26	46	20	25	9	5	2	1	1		165
13.00		2	9	20	22	31	16	12	9	2	1				124
12.50			4	4	11	13	11	3		1		1			48
12.00					4	3	1	1							12
11.50						1									1
11.00						1	1								2
TOTALS	3	21	71	212	314	484	282	267	136	68	22	15	7	3	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-PRONASALE-TOP HEAD	14.76	1.17	0.166X +	11.243	1.16
X-PRONASALE TO WALL	21.19	0.96	0.112Y +	19.536	0.95

A BIVARIATE FREQUENCY TABLE FOR
SUBNASALE TO TOP OF HEAD AND SUBNASALE TO WALL

SUBNASALE TO WALL

	17	17	18	18	19	19	20	20	21	21	22	22	23	23	24	TOT
	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	ALS
20.50									1							1
20.00										1	1					2
19.50									1	2						3
19.00			2		2	2	3		1							10
18.50	1	1	1	3	4	5	2		3	1						26
18.00			2	7	3	8	15	11	5	4	3	2	1		1	62
17.50		2	7	7	15	17	21	11	8	4	1	3	1	1		98
17.00	1	1	2	23	40	39	43	25	18	7	2		1			202
16.50	1	6	15	31	47	58	51	31	26	13	4	1	2			286
16.00		7	17	48	59	88	70	36	22	10	4	2	2			365
15.50		4	9	39	54	84	52	31	19	12	4			1		309
15.00	1	4	8	23	59	64	60	28	18	6	5	1		1		278
14.50		5	7	17	33	34	17	16	14	3	2		1			149
14.00					12	19	14	7	2	1	1			1		81
13.50				3	6	3	4	2		2		1				21
13.00					2	2	5									11
12.50							1									1
TOTALS	4	30	75	215	341	423	359	203	135	68	28	11	8	4	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-SUBNASALE-TOP HEAD	15.91	1.10	0.124X +	13.474	1.09
X-SUBNASALE TO WALL	19.66	0.98	0.099Y +	18.687	0.98

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
STOMION TO TOP OF HEAD AND LIP PROTRUSION TO WALL

LIP PROTRUSION TO WALL

	17	17	18	18	19	19	20	20	21	21	22	22	23	23	24	TOT
	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	ALS
STOMION TO TOP OF HEAD																
23.00										1						1
22.50																0
22.00									1			1				2
21.50										1						1
21.00			3		2	2	3	1	2							13
20.50		1	1	3	2	6	1	1	2	1	1			1		20
20.00	4	2	4	10	13	4	12	5	2			2			1	59
19.50	2	6	11	7	11	16	15	12	7	3	3	2				95
19.00	2	3	16	21	28	38	31	18	9	4	4	1				175
18.50	2	9	34	45	54	39	33	29	9	2	7	2	1	1		267
18.00	4	21	45	53	80	57	49	26	19	8	3	1	1		1	368
17.50	4	11	38	45	70	57	27	30	16	5	1	2				306
17.00	4	7	23	45	76	57	43	18	8	8	2		1		1	293
16.50	4	5	21	27	34	26	24	16	5	5						167
16.00		2	15	18	26	18	10	3	3						1	90
15.50			3	10	6	4	4	2	1	1						31
15.00			1	3	5	2										13
14.50				1	1		1		1							4
TOTALS	26	67	215	288	402	326	255	161	85	39	21	11	3	2	4	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-STOMION-TOP HEAD	17.83	1.12	0.103X + 15.838	1.12	0.897
X-LIP PROTRUSION-WALL	19.30	1.06	0.091Y + 17.679	1.05	

A BIVARIATE FREQUENCY TABLE FOR
MENTON TO TOP OF HEAD AND MENTON TO WALL

MENTON TO WALL

	15	15	16	16	17	17	18	18	19	19	20	20	21	21	22	22	23	TOT
	.30	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	ALS
MENTON TO TOP OF HEAD																		
27.00										1								1
26.50											2							2
26.00											1							1
25.50											1							1
25.00			1		3		3		1	1	2							11
24.50				4		4	3	8	3	1		1			1			26
24.00		1	3	3	4	13	8	10	7	4	5	3	1					62
23.50		1	4	9	17	18	14	16	12	7	11	4			1			114
23.00	1	2	6	11	21	30	48	29	25	12	11	5	4	1	1	1		208
22.50		5	8	19	26	36	44	60	37	18	14	4	5	1	1		1	273
22.00		3	10	16	40	55	72	52	48	30	24	13	3	3		1		370
21.50		1	8	9	39	52	55	39	22	20	13	5	2	1	1			267
21.00			5	17	24	49	51	61	27	20	11	5			1	1		273
20.50			2	6	16	27	39	28	18	15	10	2	1		1	1		166
20.00	1		1	1	8	15	21	10	11	6	6	4						84
19.50					2	4	3	4	1	5			2					22
19.00					1	4	2	6	5	2								20
18.50								1	1	1					1			4
TOTALS	2	14	48	96	195	307	363	324	218	143	111	46	19	6	7	4	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-MENTON-TOP HEAD	21.91	1.14	-0.009X + 22.071	1.14	-0.009
X-MENTON TO WALL	18.23	1.14	-0.009Y + 18.430	1.14	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
BIAURICULAR BREADTH AND BITRAGION BREADTH

		BITRAGION BREADTH																				TOT
		11	11	11	11	12	12	12	12	12	13	13	13	13	13	14	14	14	14	14	15	ALS
		.35	.55	.75	.95	.15	.35	.55	.75	.95	.15	.35	.55	.75	.95	.15	.35	.55	.75	.95	.15	1
BIAURICULAR BREADTH	20.00																					1
	19.50																					0
	19.00																					1
	18.50																					12
	18.00																					16
	17.50																					63
	17.00																					204
	16.50																					309
	16.00																					407
	15.50																					322
	15.00																					283
	14.50																					170
	14.00																					88
	13.50																					9
TOTALS		2	8	15	57	109	130	320	240	354	242	153	156	45	38	16	7	3	1	0	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-BIAURICULAR BROTH	15.83	0.95	0.713X	+	6.644	0.88
X-BITRAGION BREADTH	12.89	0.50	0.198Y	+	9.754	0.46

A BIVARIATE FREQUENCY TABLE FOR
LIP LENGTH AND MENTON-SUBNASALE LENGTH

		MENTON-SUBNASALE LENGTH																			TOT
		3	4	4	4	4	4	5	5	5	5	5	6	6	6	6	6	7	7	7	ALS
		.95	.15	.35	.55	.75	.95	.15	.35	.55	.75	.95	.15	.35	.55	.75	.95	.15	.35	.55	1
LIP LENGTH	5.75																				4
	5.55																				14
	5.35																				25
	5.15																				75
	4.95																				137
	4.75																				222
	4.55																				345
	4.35																				294
	4.15																				390
	3.95																				213
	3.75																				121
	3.55																				48
	3.35																				12
	3.15																				5
TOTALS		5	8	22	45	78	147	234	287	321	231	247	139	66	34	25	13	1	1	1	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS		SE-EST	R
Y-LIP LENGTH	4.38	0.42	0.058X	+	4.057	0.070
X-MENTON-SUBNASALE L	5.54	0.51	0.085Y	+	5.169	0.51

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
LIP LENGTH AND MENTON-SELLION LENGTH

LIP LENGTH	MENTON-SELLION LENGTH																TOT
	.75	.95	.15	.35	.55	.75	.95	.15	.35	.55	.75	.95	.15	.35	.55	.75	ALS
5.75							1	1	1			1					4
5.55						1			3	3			1	2			14
5.35						4	2	2	5	10	9	12	5	12	4	3	25
5.15						4	2	5	10	9	12	5	12	4	3	5	75
4.95				3	3	3	10	11	17	12	24	16	12	10	7	2	137
4.75			1	3	5	4	24	16	30	21	26	21	28	13	12	11	222
4.55	1	1	5	4	9	13	29	25	54	31	47	35	33	21	15	11	345
4.35		4	2	5	4	10	16	24	47	37	43	29	34	18	6	9	294
4.15	1	1	1	10	12	21	35	40	49	44	53	45	30	23	11	7	390
3.95		1	4	5	6	11	15	23	22	36	27	27	15	10	5	2	213
3.75	1		1	2	4	2	12	18	16	20	13	8	8	5	5	5	121
3.55				1		4	4	7	6	8	4	5	3	2	2	2	48
3.35								1	2	2	3	2	1				12
3.15								1	2				1	1			5
TOTALS	3	7	14	33	43	74	152	174	261	227	254	198	178	113	68	56	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-LIP LENGTH	4.38	0.42	0.088X +	3.443	0.128
X-MENTON-SELLION LTH	10.63	0.61	0.186Y +	9.814	0.61

A BIVARIATE FREQUENCY TABLE FOR
EAR LENGTH AND EAR BREADTH

EAR LENGTH	EAR BREADTH												TOT
	.95	.15	.35	.55	.75	.95	.15	.35	.55	.75	.95	.15	ALS
6.95													1
6.75							2		1				3
6.55					1		1			1			3
6.35						4	4	2	5				15
6.15					1	6	7	11	5	2	1	1	34
5.95					7	16	29	23	13	2			113
5.75		1	4	6	11	40	26	20	19	1			128
5.55	1	2	5	21	47	64	76	40	31	6	2	1	296
5.35		3	10	26	70	78	71	46	16	4	1		325
5.15		4	19	36	63	90	91	45	17	4			369
4.95	3	7	15	36	58	85	49	18	10	4	1		286
4.75		1	5	23	35	41	26	11	6	1			149
4.55	1	9	5	15	20	20	19	4	2	2			97
4.35		2	5	15	13	11	7	2	1				56
4.15		1	2	5	2	4	5	2					21
3.95	1				1	2							4
3.75		1	1	1									3
3.55	1				1								2
TOTALS	7	31	71	193	343	477	409	219	123	25	5	2	1905

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-EAR LENGTH	5.24	0.44	0.383X +	4.095	0.288
X-EAR BREADTH	2.98	0.33	0.216Y +	1.850	0.32

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
 WAIST HEIGHT, OVER FOUNDATION GARMENT AND ABDOMINAL EXTENSION HEIGHT, OVER FOUNDATION GARMENT

ABDOMINAL EXTENSION HEIGHT, OVER FOUNDATION GARMENT

	79	81	83	85	87	89	91	93	95	97	99	101	103	105	107	TOT
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
115.25															1	3
113.25														2	1	3
111.25													2	1	3	6
109.25											3	2	12	1		18
107.25								3	3	31	18	21	3			45
105.25								16	35	64	40	3				96
103.25						3	15	64	92	51	5					158
101.25					1	10	59	133	55	9						230
99.25				1	5	54	116	77	7							267
97.25				3	35	86	65	9	1							260
95.25			2	18	52	47	13									200
93.25			8	30	21	5										132
91.25		1	10	11	2											64
89.25	1	4	4													24
87.25	1															9
TOTALS	2	5	25	63	116	205	268	302	193	158	109	41	18	4	4	1513

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WAIST HEIGHT, OFG	100.80	4.40	0.948X +	12.785	1.64
X-ABDOM EXT HGT, OFG	92.84	4.31	0.909Y +	1.215	1.60

A BIVARIATE FREQUENCY TABLE FOR
 WAIST CIRCUMFERENCE OVER F'D'N GARMENT AND ABDOMINAL EXTENSION CIRCUMFERENCE OVER F'D'N GARMENT

ABDOMINAL EXTENSION CIRCUMFERENCE, OVER FOUNDATION GARMENT

	70	73	75	78	80	83	85	88	90	93	95	98	100	103	105	108	110	113	115	118	TOT
	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	ALS
89.25																		1			1
87.25																	1	1	1		3
85.25															3		2				6
83.25												1	1					2			4
81.25											1	1	1	6	3					1	13
79.25											3	3	4	3	4	1	1	1	1		21
77.25									1	2	8	7	6	3	4	1			1	1	34
75.25						1			2	7	9	6	3	5							33
73.25							2	4	12	15	21	11	10	5	1						81
71.25					1	2	5	11	15	22	17	14	2	1							90
69.25						8	17	29	48	24	19	6	2	2	1						157
67.25			1	3	9	24	42	53	45	29	14	6									226
65.25			4	3	13	48	56	52	38	14	6	2									236
63.25		1	5	13	46	58	61	40	22	5	2	1									254
61.25	2	5	14	34	57	46	28	16	6	2											210
59.25		6	19	24	26	16	8	2	1												102
57.25	2	5	6	10	8	6	1														38
55.25	1	1		1	1																4
TOTALS	5	18	49	89	161	209	220	207	190	120	97	58	28	26	15	5	4	5	4	3	1513

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WAIST CIRCUM, OFG	66.23	5.28	0.601X +	13.660	2.97
X-ABDOM EXT CIRC, OFG	87.48	7.26	1.138Y +	12.103	4.88

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
 WAIST CIRCUMFERENCE, OVER FOUNDATION GARMENT AND WAIST BREADTH, OVER FOUNDATION GARMENT

WAIST BREADTH, OVER FOUNDATION GARMENT

	17	18	19	20	21	22	23	24	25	26	27	28	29	30	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
89.25														1	1
87.25									1		2				3
85.25										2	1	1	2		6
83.25									1	3					4
81.25							3	4	3						13
79.25								6	12	2	1				21
77.25							9	14	7	3	1				34
75.25					2	6	16	6	1	2					33
73.25				1	4	18	25	23	10						81
71.25					14	42	26	7	1						90
69.25					11	60	60	20	5	1					157
67.25					56	96	62	6							226
65.25			3	33	110	70	18	2							236
63.25			18	96	107	29	4								254
61.25	6	48	102	43	7	3	1								210
59.25	15	41	33	10	3										102
57.25	15	19	3		1										38
55.25	1	2	1												4
TOTALS	37	131	274	338	286	213	108	65	37	13	6	2	2	1	1513

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WAIST CIRCUM, OFG	66.23	5.28	2.462X +	13.562	2.37
X-WAIST BREADTH, OFG	21.39	1.92	0.324Y -	0.066	0.86

A BIVARIATE FREQUENCY TABLE FOR
 WAIST CIRCUMFERENCE, OVER FOUNDATION GARMENT AND WAIST DEPTH, OVER FOUNDATION GARMENT

WAIST DEPTH, OVER FOUNDATION GARMENT

	11	12	13	14	15	16	17	18	19	20	21	22	23	24	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
89.25														1	1
87.25											2				3
85.25								1		1		2	1	1	6
83.25								1		1	1	1			4
81.25								2	2	2	5	2			13
79.25							2	3	7	7	1	1			21
77.25							5	12	9	2	3	1			34
75.25							5	10	10	5	3				33
73.25				1	10	16	26	18	7	3					81
71.25				5	16	39	21	8	1						90
69.25				20	58	55	19	5							157
67.25			1	9	42	107	53	13	1						226
65.25			2	17	81	109	24	3							236
63.25			11	60	106	66	10	1							254
61.25			17	93	74	23	2	1							210
59.25	2	26	56	16											102
57.25	1	21	16												38
55.25	1	2	1												4
TOTALS	4	80	252	345	391	206	101	61	31	19	12	7	1	3	1513

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WAIST CIRCUM, OFG	66.23	5.28	2.465X +	27.345	2.61
X-WAIST DEPTH, OFG	15.65	1.85	0.304Y -	4.486	0.91

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
ABDOMINAL EXTENSION CIRCUMFERENCE, OFG AND HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST-OFG

HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST, OVER FOUNDATION GARMENT

	77	79	81	83	85	87	89	91	93	95	97	99	101	103	105	107	109	111	113	115	117	119	TOT
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
ABDOMINAL EXTENSION CIRCUMFERENCE, OVER FOUNDATION GARMENT																							
118.00																				1	1	1	3
115.50																				3	1		4
113.00																		1	1	1	1		5
110.50																		1	2	1			4
108.00																		2	2	2			5
105.50																		4	1	1			15
103.00																							26
100.50																							28
98.00																							58
95.50																							97
93.00																							120
90.50																							190
88.00																							207
85.50																							220
83.00																							209
80.50																							161
78.00																							89
75.50																							49
73.00																							18
70.50																							5
TOTALS	1	1	11	30	70	124	165	237	232	213	164	99	63	37	28	12	8	7	2	5	3	1	1513

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-ABDOM EXT CIRC, OFG	87.48	7.26	1.144X - 19.734	3.32	0.890
X-HIP C-7" BLW W, OFG	93.71	5.65	0.691Y + 33.269	2.58	

A BIVARIATE FREQUENCY TABLE FOR
ABDOMINAL EXTENSION CIRCUMFERENCE, OFG AND BUTTOCK CIRCUMFERENCE, SITTING-OFG

BUTTOCK CIRCUMFERENCE, SITTING, OVER FOUNDATION GARMENT

	83	85	87	89	91	93	95	97	99	101	103	105	107	109	111	113	115	117	119	121	123	125	127	129	TOT
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
ABDOMINAL EXTENSION CIRCUMFERENCE, OVER FOUNDATION GARMENT																									
118.00																									3
115.50																									4
113.00																									4
110.50																									5
108.00																									5
105.50																									15
103.00																									26
100.50																									28
98.00																									58
95.50																									97
93.00																									120
90.50																									190
88.00																									207
85.50																									220
83.00																									209
80.50																									161
78.00																									89
75.50																									49
73.00																									18
70.50																									5
TOTALS	1	4	19	37	86	132	180	186	250	178	136	115	70	43	32	12	11	7	4	3	3	1	2	1	1513

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-ABDOM EXT CIRC, OFG	87.48	7.26	1.022X - 14.336	3.73	0.858
X-BUTTOCK C, SIT, OFG	99.62	6.10	0.721Y + 36.550	3.13	

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
HIP CIRCUMFERENCES -SEVEN AND NINE INCHES BELOW WAIST LEVEL -AS MEASURED OFG

HIP CIRCUMFERENCE-NINE INCHES BELOW WAIST, OVER FOUNDATION GARMENT

	77	79	81	83	85	87	89	91	93	95	97	99	101	103	105	107	109	111	113	115	117	119	TOT
	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	.25	ALS
119.25																						1	1
117.25																						1	3
115.25																							5
113.25																							2
111.25																							7
109.25																							8
107.25																							12
105.25																							28
103.25																							37
101.25																							63
99.25																							99
97.25																							164
95.25																							213
93.25																							232
91.25																							237
89.25																							165
87.25																							124
85.25																							70
83.25																							30
81.25																							11
79.25																							1
77.25																							1
TOTALS	1	3	11	14	40	90	132	165	212	206	210	167	102	65	42	21	8	10	4	6	2	2	1513

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-HIP C-7" BLW W.OFG	93.71	5.65	0.936X +	4.517	1.45
X-HIP C-9" BLW W.OFG	95.30	5.83	0.998Y +	1.770	1.49

A BIVARIATE FREQUENCY TABLE FOR
WAIST BREADTH, OVER FOUNDATION GARMENT AND WAIST DEPTH, OVER FOUNDATION GARMENT

WAIST DEPTH, OVER FOUNDATION GARMENT

	11	12	13	14	15	16	17	18	19	20	21	22	23	24	TOT
	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
30.75															1
29.75															2
28.75															2
27.75															6
26.75															13
25.75															37
24.75															65
23.75															108
22.75															213
21.75															286
20.75															338
19.75															274
18.75															131
17.75															37
TOTALS	4	80	252	345	391	206	101	61	31	19	12	7	1	3	1513

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-WAIST BREADTH, OFG	21.39	1.92	0.776X +	9.250	1.27
X-WAIST DEPTH, OFG	15.65	1.85	0.720Y +	0.246	1.23

TABLE XXXVI

A BIVARIATE FREQUENCY TABLE FOR
HIP BREADTH-OFG AND THIGH-TO-THIGH BREADTH, SITTING-OFG

THIGH-TO-THIGH BREADTH, SITTING, OVER FOUNDATION GARMENT

	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	TOT
HIP BREADTH, OVER FOUNDATION GARMENT	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	.75	ALS
42.75																	1		1		1	3
41.75																			2			2
40.75																	1					3
39.75																2		2				6
38.75											1	1		4	8	7	2					23
37.75											1	4	9	15	9	4	1					43
36.75										1	7	28	22	14	7	3	1					83
35.75										7	19	45	52	33	7	2						165
34.75								1	4	32	63	75	33	13	3	1						225
33.75				1				9	43	91	95	51	11	3								304
32.75					2	12	39	88	80	24	8	2	1									256
31.75				1	3	44	74	68	22	9	2	1										224
30.75					4	21	38	30	14	3	1											111
29.75			1	12	14	13	4	1														45
28.75	1			2	7	2	2															14
27.75			1	3																		4
TOTALS	1	0	4	28	42	109	157	218	236	211	190	132	81	43	29	15	7	6	3	0	1	1513

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-HIP BREADTH, OFG	33.67	2.14	0.729X +	6.520	0.93
X-THI-THI BR,SIT, OFG	37.25	2.65	1.111Y -	0.164	1.15

A BIVARIATE FREQUENCY TABLE FOR
STATURE AS REPORTED BY SUBJECTS AND WEIGHT AS REPORTED BY SUBJECTS

WEIGHT AS REPORTED BY SUBJECTS

	84	89	94	99	104	109	114	119	124	129	134	139	144	149	154	159	164	169	174	179	184	189	194	TOT
STATURE AS REPORTED BY SUBJECTS	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	ALS
74.00																	1							1
73.00															1									1
72.00								1		1	1	1			2							1		7
71.00								1	1	1	1	1	2	1			1	1						10
70.00								1	4	3	3	8	3	2	4	1	1	1	1					31
69.00						1	1	3	3	13	12	12	14	6	4	4	3	2	1					79
68.00						2	5	16	12	16	24	28	31	20	10	4	1	3						178
67.00					1	2	14	22	31	21	29	29	19	10	4	2	3	3	1	1	1	1	1	194
66.00				2	7	15	16	37	41	42	33	28	16	10	3	5		1		1	1			258
65.00				4	8	19	34	41	37	52	35	19	8	4	4	4								270
64.00		1	1	8	15	27	59	53	50	36	26	4	5	3	1	2	2	1				1		295
63.00			2	9	28	26	54	41	28	25	11	5	4	1										234
62.00	1	2	10	21	28	28	34	26	18	11	8	4	1	3	3	1								199
61.00		6	7	11	15	15	11	8	5	2														82
60.00		1	3	9	14	11	9	5	3	1		1	1											58
59.00																								3
58.00		1																						1
TOTALS	1	5	22	60	112	146	243	258	232	229	185	137	109	61	34	26	11	13	3	6	3	2	3	1901

SUMMARY STATISTICS

	MEAN	STD DEV	REGRESSION EQUATIONS	SE-EST	R
Y-STATURE - REPORTED	64.80	2.43	0.089X +	53.643	1.98
X-WEIGHT AS REPORTED	125.40	15.84	3.784Y -	119.821	12.69

SECTION XVI

A TRIVARIATE TABLE

Logically the idea of the bivariate frequency table can be extended to trivariate tables and to tables involving even more than three variables. As a matter of fact, virtually the first publication of military anthropometry in the United States (Gould, 1869) consisted essentially of one massive quadrivariate table, the four variables being height, weight, chest circumference, and the congressional district in which the man had been born. Nonetheless, the awkwardness of presenting such tables and the high proportion of cells for which the frequency is zero make these tables generally impractical. We have, however, included one trivariate table (table XXXVII), that for weight, stature, and bust circumference. For each variable, we have used substantially wider intervals than those used with them in table XXXVI, in order to keep the total number of cells less than the total number of subjects.

TABLE XXXVII
A TRIVARIATE FREQUENCY TABLE FOR
STATURE, WEIGHT, AND BUST CIRCUMFERENCE

I - STATURE BELOW 151.25 CM

	BUST CIRCUMFERENCE													TOT
	75	78	80	83	85	88	90	93	95	98	100	103	105	
WEIGHT (LB)	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	ALS
197.50														0
187.50														0
177.50														0
167.50														0
157.50														0
147.50													1	1
137.50									1				1	2
127.50						1	2	2	2	1	1			9
117.50					4	5	3							12
107.50			1	5	6	4	3	1						20
97.50		1	1	4	7	1								14
87.50				1										1
TOTALS	0	1	2	10	17	11	8	3	3	1	1	0	2	59

II - STATURE -- 151.25-156.25 CM

	BUST CIRCUMFERENCE													TOT
	75	78	80	83	85	88	90	93	95	98	100	103	105	
WEIGHT (LB)	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	ALS
197.50														0
187.50														0
177.50														0
167.50														1
157.50												1		1
147.50								1		1				3
137.50						2	2	5	5	4		2		20
127.50				1	4	7	15	11	4	5	2			49
117.50			1	9	21	18	17	9	1					76
107.50			6	24	33	13	7	1						84
97.50	2	2	15	13	5	3								40
87.50		1	1											2
TOTALS	2	3	23	47	63	43	41	27	10	10	2	3	0	276

TABLE XXXVII

A TRIVARIATE FREQUENCY TABLE FOR
STATURE, WEIGHT, AND BUST CIRCUMFERENCE

III - STATURE -- 156.25-161.25 CM

BUST CIRCUMFERENCE

	75	78	80	83	85	88	90	93	95	98	100	103	105	108	110	113	TOT
	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	ALS
197.50													1				1
187.50																	0
177.50																	0
167.50											1	2	1	1	1		6
157.50									1	3		2	1		1	1	9
147.50							3	1	3	1	4						12
137.50				1	2	2	15	17	17	12	3						69
127.50		1		3	31	30	43	21	7	2	3						141
117.50			3	21	44	58	31	8	4								169
107.50	1	5	12	35	26	11	10	1									101
97.50		2	7	10	4												23
87.50		1	1														2
TOTALS	1	9	23	70	107	101	102	48	32	18	11	4	3	1	2	1	533

IV - STATURE -- 161.25-166.25 CM

BUST CIRCUMFERENCE

	75	78	80	83	85	88	90	93	95	98	100	103	105	108	110	113	TOT
	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	ALS
197.50													1	3	1		5
187.50											1						1
177.50									1	2							3
167.50									5	8	7			1			24
157.50					1	1	11	18	18	12	6	4	2				73
147.50					6	17	35	21	13	6	6			1			105
137.50					22	51	40	33	8	3	2						170
127.50		1		10	23	49	32	9	3								120
117.50			4	23	49	32	8	14									45
107.50		3	10	10	8												5
97.50		2	1	1	1												0
87.50																	
TOTALS	0	6	15	44	87	115	95	76	45	31	22	6	6	3	1	0	552

TABLE XXXVII
A TRIVARIATE FREQUENCY TABLE FOR
STATURE, WEIGHT, AND BUST CIRCUMFERENCE

V- STATURE -- 166.25-171.25 CM

		BUST CIRCUMFERENCE															TOT	
		75	78	80	83	85	88	90	93	95	98	100	103	105	108	110	113	ALS
		.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	.50	.00	
WEIGHT (LB)	197.50																	0
	187.50																	3
	177.50											1	1	3			1	6
	167.50											1	5	2	1			11
	157.50						1	1	3	5	8	8		1	1			28
	147.50					1	6	12	19	18	9	4	5	1				75
	137.50				2	7	16	25	29	11	2							92
	127.50				2	19	30	22	6	1		1						81
	117.50			5	9	17	10	3		1			1					45
	107.50		1	2	6	1	1	1										12
	97.50						1											1
	87.50																	0
TOTALS		0	1	7	19	45	65	64	58	36	20	15	11	7	3	2	1	354

VI - STATURE -- 171.25-176.25 CM

		BUST CIRCUMFERENCE															TOTALS		
		75 .50	78 .00	80 .50	83 .00	85 .50	88 .00	90 .50	93 .00	95 .50	98 .00	100 .50	103 .00	105 .50	108 .00	110 .50	113 .00	TOTALS	
WEIGHT (LB)	197.50																	1	
	187.50													1				1	
	177.50										2							2	
	167.50									1	2	2	1	2				8	
	157.50									3	6	1	1					12	
	147.50						3	5	6	5	3							23	
	137.50				1	4	9	11	7									32	
	127.50				4	4	5	3	1	1								18	
	117.50			2	2		2											6	
	107.50		1		1			1										3	
	97.50																	0	
	87.50																	0	
	TOTALS		0	1	2	8	8	19	20	15	10	13	4	2	4	0	0	0	106

TABLE XXXVII

A TRIVARIATE FREQUENCY TABLE FOR
STATURE, WEIGHT, AND BUST CIRCUMFERENCE

VII - STATURE ABOVE 176.25 CM

	BUST CIRCUMFERENCE																TOT ALS
	75 .50	78 .00	80 .50	83 .00	85 .50	88 .00	90 .50	93 .00	95 .50	98 .00	100 .50	103 .00	105 .50	108 .00	110 .50	113 .00	
197.50											1						1
187.50																	0
177.50														1			1
167.50											1		1				2
157.50								2	1	1	1						5
147.50						1	2	3	1								7
137.50							2	1									3
127.50					1	1	2										4
117.50					2												2
107.50																	0
97.50																	0
87.50																	0
TOTALS	0	0	0	0	3	2	6	6	2	1	3	0	1	1	0	0	25

PART D

**INDICES, COMPUTED VARIABLES,
AND SUBSAMPLE STATISTICS**

INTRODUCTION

The efficiency of modern computing devices makes it a simple matter to expand the list of variables for which data are available by calculating a variety of anthropometric variables which can be expressed as a mathematical function of one or more of the directly measured variables and to provide statistics similar to those given in Part A of this report for such calculated variables. It is an equally simple matter to develop statistical summaries for any desired subsample included within the total survey series. This portion of the report presents statistical summaries for a series of derived variables based on the total sample plus summaries for the original measurement data for the officer and for the enlisted women groups.

The material in Part D has been divided into the introduction and three sections. The first of these sections consists of statistical summaries for a group of indices (table XXXVIII). This group of indices includes many of the classical indices of physical anthropology plus a number of less traditional ones. The second section consists of similar statistical summaries for a series of computed variables (table XXXIX). The variables in both these tables are, of course, computed variables; in general however, those variables classified as indices have been obtained by division and are dimensionless; whereas the computed variables have generally been obtained by addition or subtraction and often represent variables which, in theory at least, could have been measured directly. The third section consists of statistics for the original measurement data for the officer segment (table XLI) and for the enlisted women segment (table XLII) of the original sample.

The number of variables involved in Part D has limited the physical space available for each statistical summary. These summaries are limited, therefore, to the following statistics:

Mean, standard error of the mean, the standard deviation, the standard error of the standard deviation, the coefficient of variation, the sample size, the measures of symmetry and kurtosis, and thirteen percentiles: 1st, 5th, 10th, 15th, 25th, 35th, 50th, 65th, 75th, 85th, 90th, 95th and 99th.

A number of the difference measurements—particularly right minus left values—have mean values close to zero; for these, the coefficient of variation may take on huge, and rather meaningless, values. Consequently, when the standard deviation is as large as the mean, the notation *GT99* (greater than 99%) replaces the numeric value of *V*.

The tables are two pages wide, with the percentiles always appearing on an odd-numbered (right side) page and the associated statistics always on the facing even-numbered page. The variable number appears at the end of the list of percentiles on the right-hand page as well as at the beginning of the listing on the left-hand page.

A 'Locator' for table XXXVIII and table XXXIX appears as table XL. The variables in table XLI and table XLII follow the Visual Index sequence.

The statistics for all dimensional variables are given in both metric and English units.

In tables XXXIX, XLI, and XLII, the statistics for each variable are presented on two lines; the upper of the pair of lines containing the metric values (usually in centimeters), and the lower line contains the English values (usually in inches). Statistics for weight are in kilograms and pounds.

In table XXXVIII, all the variables but the first are dimensionless values and are, in each

case, reported on a single line. Statistics for the one exception, ponderal index, are given in two lines. The first line contains the values obtained by dividing the centimeter value of stature by the cube root of weight in kilograms and the second line, the value obtained by dividing the inch value of stature by the cube root of weight in pounds.

The values of the coefficient of variation, the sample size, and the measures of symmetry and kurtosis are, of course, dimensionless in all cases.

SECTION XVIII

INDICES

The term index in anthropometry usually refers to the representation of one measurement value of a percentage of a second. Such indices were an important part of the equipment of the 'classical' anthropometrist. Alex Hrdlička, one of the founders of anthropometry, has written:

The index is the simplest expression of the geometric relation of two dimensions and as such is of much utility for the prompt conveyance of a notion as to the shape or relative size of parts. The indices in the living in general are also more permanent than the absolute dimensions of the parts, and therefore, more valuable for group comparisons. (Stewart, 1947, p 209)

Interest in indices varies considerably among anthropologists; the considerable ease with which indices can now be computed may well contribute to an increase in their use by present day anthropometrists.

The indices included in table XXXVIII fall roughly into two groups. The first group (listed as variables 201-228) includes many of the indices listed by Hrdlička (Stewart, 1947), Montagu (1951), and Jones (1929), as well as ponderal index, and an assortment of somewhat similar indices. The names given these indices are, in general, those used by the cited authors.

The second group (variables 229-271) consists of a number of length measurements expressed as percentages of stature. Many of these indices belong among the traditional indices.

These indices were computed in all instances on the basis of the entire sample of 1905 women. Except for ponderal index, these indices are all dimensionless and are reported as percentages.

The definitions of the various indices are as follows:

201. Ponderal index: stature divided by the cube root of weight. The metric value: stature in centimeters divided by the cube root of weight in kilograms. The English value: stature in inches divided by the cube root of weight in pounds.
202. Cephalic index: head breadth divided by head length.
203. Manouvrier proportion index: (stature - sitting height) divided by sitting height.
204. Facial index: menton-sellion length/bizygomatic diameter.
205. Nasal index: nasal breadth/subnasale-sellion length.
206. Mean height index: head height (tragon to top of head) /the average of head length and head breadth.
207. Ear index: ear breadth/ear length.
208. Parieto-jugal index: bizygomatic breadth/head breadth.
209. Bust index: chest depth/chest breadth.
210. Waist index: waist depth/waist breadth.
211. Shoulder index: bustpoint-to-bustpoint breadth/biacromial breadth.
212. Hip-shoulder index: hip breadth/biacromial breadth.
213. Hand index: hand breadth/hand length.
214. Foot index: foot breadth/foot length.
215. Brachial index: radiale-styilion length/acromion-radiale length.
216. Forearm-hand index: hand length/radiale-styilion length.
217. Tibio-femoral index: length of leg (computed variable 388) /length of thigh (computed variable 373).

218. Femoro-humeral index: acromion-radiale length/length of thigh (computed variable 373).
219. Tibio-radial index: radiale-stylian length/length of leg (computed variable 388).
220. Forelimb girth index: biceps circumference, relaxed, right/forearm circumference, relaxed, right.
221. Lower limb girth index: calf circumference, right/upper thigh circumference.
222. Leg girth index: ankle circumference/calf circumference, right.
223. Acromion-deltoid index: biacromial breadth/bideltoid breadth.
224. Bust development index: bust circumference/chest circumference below bust.
225. Humerus-femur index: humeral breadth, right/femoral breadth, right.
226. Head-circle index: head circumference/the average of head length and head breadth.
227. Bust-circle index: bust circumference/the average of chest breadth and chest depth.
228. Waist-circle index: waist circumference/the average of waist breadth and waist depth.
- 229-271. "X" stature indices. Each of the following lengths expressed as a percentage of stature: cervicale height; acromial height; suprasternale height; bust point height; waist height; abdominal extension height; trochanteric height; buttock height; gluteal furrow height; tibiale height; crotch height; ankle height; lateral malleolus height; sitting height; sitting height-relaxed; eye height, sitting; midshoulder height, sitting; waist height, sitting; elbow rest height; popliteal height; buttock-popliteal length; buttock-knee length; acromion-radiale length; radiale-stylian length; forearm-hand length (computed variable 509); length of thigh (computed variable 373); length of leg (computed variable 388); hand length; foot length; thumb-tip reach; thumb-tip reach, extended; overhead reach; shoulder circumference; chest circumference at scye; bust circumference; chest circumference below bust; waist circumference; abdominal extension circumference; hip circumference - seven inches below waist level; hip circumference - nine inches below waist level; vertical trunk circumference; vertical trunk circumference, sitting; and buttock circumference, sitting.

A 'Locator' for these indices as well as the computed variables of the following section appears at the end of the section. It is described on page 1034.

TABLE XXXVIII
ABBREVIATED SUMMARIES AND SELECTED PERCENTILES FOR INDICES

VARIABLE		MEAN	SE (M)	ST DEV	SE (SD)	COEF VAR	SAMPLE SIZE	SYMM ETRY	KURT OSIS
201 PONDERAL INDEX	(METRIC)	42.03	0.04	1.61	0.03	3.8	1905	-0.10	3.40
	(ENGLISH)	12.72	0.01	0.49	0.01	3.8	1905	-0.10	3.40
202 CEPHALIC INDEX		78.94	0.09	4.11	0.07	5.2	1905	0.24	3.09
203 MANOUVRIER PROPORTION INDEX		89.43	0.10	4.44	0.07	5.0	1905	0.16	3.10
204 FACIAL INDEX		82.54	0.13	5.64	0.09	6.8	1905	0.30	3.29
205 NASAL INDEX		70.76	0.21	9.33	0.15	13.2	1905	0.83	4.34
206 MEAN HEAD HEIGHT INDEX		77.31	0.10	4.41	0.07	5.7	1905	0.47	3.44
207 EAR INDEX		57.19	0.16	6.90	0.11	12.1	1905	0.21	3.31
208 PARIETO-JUGAL INDEX		88.93	0.09	3.86	0.06	4.3	1905	-0.09	3.48
209 BUST INDEX		84.57	0.13	5.82	0.09	6.9	1905	0.21	3.24
210 WAIST INDEX		70.58	0.11	4.88	0.08	6.9	1905	0.39	3.60
211 SHOULDER INDEX		44.29	0.07	3.24	0.05	7.3	1905	0.12	3.41
212 HIP-SHOULDER INDEX		97.66	0.14	6.18	0.10	6.3	1905	0.25	3.34
213 HAND INDEX		41.15	0.05	2.16	0.03	5.2	1905	-0.01	3.01
214 FOOT INDEX		36.87	0.04	1.89	0.03	5.1	1905	0.24	3.21
215 BRACHIAL INDEX		75.49	0.08	3.65	0.06	4.8	1905	0.17	3.02
216 FOREARM-HAND INDEX		78.76	0.10	4.57	0.07	5.8	1905	0.38	3.35
217 TIBIO-FEMORAL INDEX		86.83	0.16	6.85	0.11	7.9	1905	0.34	3.04
218 FEMORAL-HUMERAL INDEX		76.40	0.10	4.30	0.07	5.6	1905	0.30	3.29
219 TIBIO-RADIAL INDEX		66.52	0.07	3.20	0.05	4.8	1905	0.26	3.27
220 FORE LIMB GIRTH INDEX		109.00	0.13	5.74	0.09	5.3	1905	0.49	3.29
221 LOWER LIMB GIRTH INDEX		61.68	0.08	3.36	0.05	5.4	1905	0.16	3.05
222 LEG GIRTH INDEX		61.84	0.06	2.80	0.05	4.5	1905	0.16	3.64
223 ACROMION-DELTOID INDEX		85.73	0.09	3.89	0.06	4.5	1905	-0.06	3.01
224 BUST DEVELOPMENT INDEX		120.82	0.10	4.53	0.07	3.8	1905	0.47	3.44
225 HUMERUS-FEMUR INDEX		75.70	0.09	4.13	0.07	5.5	1905	0.38	3.45
226 HEAD-CIRCLE INDEX		333.33	0.15	6.75	0.11	2.0	1905	0.37	3.83

UNITS-NO. 201.CM/CUBE ROOT(KG), IN./CUBE ROOT(LB). ALL OTHERS ARE PERCENTAGES

TABLE XXXVIII
STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR INDICES

PERCENTILES													VAR
1ST	5TH	10TH	15TH	25TH	35TH	50TH	65TH	75TH	85TH	90TH	95TH	99TH	NO
37.9	39.4	40.1	40.5	41.0	41.5	42.0	42.6	43.1	43.7	44.1	44.7	45.8	201
11.5	11.9	12.1	12.2	12.4	12.5	12.7	12.9	13.0	13.2	13.3	13.5	13.9	
69.7	72.4	73.8	74.7	76.1	77.2	78.8	80.4	81.6	83.2	84.4	86.1	89.5	202
79.7	82.2	83.8	84.8	86.4	87.7	89.4	91.1	92.3	94.0	95.2	97.0	100.8	203
70.2	73.7	75.6	76.8	78.6	80.2	82.2	84.4	86.1	88.4	89.9	92.3	97.0	204
52.6	57.6	60.1	61.8	64.4	66.5	69.6	73.0	75.9	79.9	82.9	87.9	99.3	205
68.1	70.6	72.0	72.9	74.2	75.4	77.0	78.7	80.0	81.8	83.1	85.2	89.5	206
41.8	46.0	48.5	50.2	52.6	54.6	57.1	59.7	61.6	64.1	65.9	68.7	75.4	207
79.1	82.4	84.0	85.1	86.6	87.7	89.1	90.4	91.4	92.6	93.6	95.1	98.8	208
71.8	75.3	77.3	78.6	80.6	82.2	84.4	86.6	88.3	90.4	92.0	94.5	100.0	209
60.0	63.1	64.7	65.8	67.3	68.6	70.3	72.1	73.6	75.5	76.9	79.1	83.9	210
36.9	39.1	40.2	41.0	42.1	43.0	44.2	45.4	46.4	47.6	48.4	49.8	52.5	211
84.2	87.8	89.9	91.3	93.5	95.2	97.5	99.8	101.6	103.9	105.5	108.1	113.6	212
36.2	37.6	38.4	38.9	39.7	40.3	41.2	42.0	42.6	43.4	43.9	44.7	46.1	213
32.7	33.9	34.5	34.9	35.6	36.1	36.8	37.5	38.1	38.9	39.4	40.1	41.6	214
67.6	69.6	70.8	71.7	72.9	74.0	75.4	76.8	77.9	79.3	80.2	81.7	84.6	215
69.4	71.7	73.1	74.1	75.5	76.8	78.5	80.3	81.7	83.5	84.8	86.8	90.7	216
72.5	76.3	78.4	79.8	82.0	83.8	86.4	89.1	91.2	93.9	95.9	98.8	104.6	217
66.9	69.6	71.0	72.0	73.5	74.6	76.2	77.9	79.2	80.8	82.0	83.8	87.4	218
59.4	61.5	62.6	63.3	64.3	65.2	66.4	67.6	68.6	69.8	70.7	72.0	74.3	219
97.7	100.4	102.0	103.1	104.9	106.4	108.5	110.8	112.6	115.0	116.7	119.3	124.4	220
54.1	56.4	57.5	58.3	59.4	60.3	61.6	62.9	63.9	65.2	66.1	67.4	69.7	221
55.5	57.5	58.4	59.0	60.0	60.7	61.8	62.8	63.7	64.7	65.5	66.6	68.7	222
76.4	79.2	80.7	81.7	83.1	84.3	85.8	87.3	88.4	89.8	90.7	92.1	94.4	223
111.7	114.0	115.3	116.2	117.7	118.8	120.5	122.2	123.6	125.5	126.8	128.9	133.5	224
67.0	69.2	70.6	71.5	72.9	74.0	75.5	77.1	78.3	79.9	81.0	82.8	86.8	225
318.0	323.1	325.3	326.7	328.7	330.4	332.7	335.2	337.3	340.1	342.1	345.3	351.5	226

UNITS-NO. 201, CM/CUBE ROOT (KG), IN./CUBE ROOT (LB). ALL OTHERS ARE PERCENTAGES

TABLE XXXVIII
STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR INDICES

VARIABLE	MEAN	SE (M)	ST DEV	SE (SD)	COEF VAR	SAMPLE SIZE	SYMM ETRY	KURT OSIS
227 BUST-CIRCLE INDEX	347.72	0.23	9.88	0.16	2.8	1905	0.29	3.89
228 WAIST-CIRCLE INDEX	326.81	0.21	9.28	0.15	2.8	1905	0.12	3.47
229 CERVICALE HEIGHT/STATURE INDEX	85.86	0.02	0.74	0.01	0.9	1905	-0.02	3.03
230 ACROMIAL HEIGHT/STATURE INDEX	81.33	0.02	0.99	0.02	1.2	1905	0.01	3.12
231 SUPRASTERNAL HT/STATURE INDEX	81.42	0.02	0.78	0.01	1.0	1905	0.09	3.32
232 BUST POINT HEIGHT/STATURE INDEX	72.98	0.03	1.24	0.02	1.7	1905	0.05	3.18
233 WAIST HEIGHT/STATURE INDEX	61.85	0.03	1.15	0.02	1.9	1905	0.03	3.28
234 ABDOMINAL EXTENSION HT/STATURE	57.45	0.03	1.25	0.02	2.2	1905	0.06	3.19
235 TROCHANTERIC HGT/STATURE INDEX	50.99	0.03	1.42	0.02	2.8	1905	0.04	3.13
236 BUTTOCK HEIGHT/STATURE INDEX	50.71	0.03	1.40	0.02	2.8	1905	0.02	3.47
237 GLUTEAL FURROW HT/STATURE INDEX	44.84	0.03	1.43	0.02	3.2	1905	-0.08	3.05
238 TIBIALE HEIGHT/STATURE INDEX	25.89	0.02	0.92	0.01	3.6	1905	0.10	2.93
239 CROTCH HEIGHT/STATURE INDEX	45.95	0.03	1.38	0.02	3.0	1905	0.14	3.20
240 ANKLE HEIGHT/STATURE INDEX	6.90	0.02	0.79	0.01	11.5	1905	0.34	2.65
241 LATERAL MALLEOLUS HT/STATURE	4.18	0.01	0.33	0.01	7.9	1905	0.02	3.20
242 SITTING HEIGHT/STATURE INDEX	52.82	0.03	1.23	0.02	2.3	1905	-0.01	3.04
243 SITTING HT, RELAXED/STATURE INDEX	52.00	0.03	1.30	0.02	2.5	1905	-0.12	3.23
244 EYE HGT, SITTING/STATURE INDEX	45.48	0.03	1.31	0.02	2.9	1905	-0.01	3.06
245 MIDSHOULDER HT, SITTING/STATURE	35.78	0.03	1.15	0.02	3.2	1905	0.09	2.88
246 WAIST HT, SITTING/STATURE INDEX	14.42	0.02	0.98	0.02	6.8	1905	-0.04	3.14
247 ELBOW REST HGT/STATURE INDEX	14.01	0.03	1.50	0.02	10.7	1905	0.07	2.78
248 POPLITEAL HEIGHT/STATURE INDEX	25.33	0.02	0.80	0.01	3.2	1905	0.07	3.35
249 BUTTOCK-POPLITEAL LGTH/STATURE	29.43	0.03	1.29	0.02	4.4	1905	0.18	2.99
250 BUTTOCK-KNEE LGTH/STATURE INDEX	35.43	0.02	1.04	0.02	2.9	1905	0.28	3.37
251 ACROMION-RADIALE/STATURE INDEX	19.13	0.02	0.69	0.01	3.6	1905	-0.02	3.29
252 RADIALE-STYLION/STATURE INDEX	14.43	0.01	0.63	0.01	4.4	1905	0.15	3.06

UNITS-NO. 201.CM/CUBE ROOT(KG), IN./CUBE ROOT(LB). ALL OTHERS ARE PERCENTAGES

TABLE XXXVIII
STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR INDICES

PERCENTILES													VAR
1ST	5TH	10TH	15TH	25TH	35TH	50TH	65TH	75TH	85TH	90TH	95TH	99TH	NO
325.9	331.7	335.3	337.7	341.3	344.1	347.6	351.1	353.7	357.2	359.8	364.1	375.3	227
304.7	311.4	315.0	317.4	320.8	323.4	326.8	330.1	332.6	335.9	338.2	342.0	350.9	228
84.1	84.6	84.9	85.1	85.4	85.6	85.9	86.1	86.4	86.6	86.8	87.1	87.6	229
78.9	79.7	80.1	80.3	80.7	81.0	81.3	81.7	82.0	82.4	82.6	83.0	83.7	230
79.5	80.2	80.5	80.6	80.9	81.1	81.4	81.7	81.9	82.2	82.4	82.7	83.3	231
70.0	70.9	71.4	71.7	72.2	72.5	73.0	73.4	73.8	74.3	74.6	75.0	76.0	232
59.1	60.0	60.4	60.7	61.1	61.4	61.8	62.3	62.6	63.1	63.3	63.8	64.5	233
54.5	55.4	55.9	56.2	56.6	57.0	57.4	57.9	58.3	58.8	59.1	59.6	60.4	234
47.7	48.7	49.2	49.5	50.0	50.4	51.0	51.5	51.9	52.5	52.8	53.4	54.4	235
47.4	48.4	48.9	49.3	49.8	50.2	50.7	51.2	51.6	52.1	52.5	53.0	54.2	236
41.4	42.5	43.0	43.4	43.9	44.3	44.8	45.4	45.8	46.3	46.7	47.2	48.1	237
23.8	24.4	24.7	25.0	25.3	25.5	25.9	26.2	26.5	26.9	27.1	27.5	28.1	238
42.8	43.7	44.2	44.5	45.0	45.4	45.9	46.4	46.8	47.3	47.7	48.3	49.5	239
5.5	5.7	5.9	6.0	6.3	6.5	6.8	7.2	7.4	7.8	8.0	8.3	8.9	240
3.4	3.6	3.8	3.8	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.7	5.0	241
49.8	50.8	51.3	51.6	52.0	52.3	52.8	53.3	53.7	54.1	54.4	54.9	55.7	242
48.7	49.8	50.3	50.7	51.2	51.5	52.0	52.5	52.9	53.3	53.7	54.1	54.9	243
42.5	43.3	43.8	44.1	44.6	45.0	45.5	46.0	46.4	46.8	47.1	47.6	48.6	244
33.1	33.9	34.3	34.6	35.0	35.3	35.8	36.2	36.6	37.0	37.3	37.7	38.5	245
12.0	12.8	13.1	13.4	13.8	14.1	14.4	14.8	15.1	15.4	15.7	16.0	16.7	246
10.7	11.6	12.1	12.4	13.0	13.4	14.0	14.6	15.0	15.6	16.0	16.6	17.6	247
23.5	24.0	24.3	24.5	24.8	25.0	25.3	25.6	25.9	26.1	26.3	26.6	27.2	248
26.6	27.4	27.8	28.1	28.5	28.9	29.4	29.9	30.3	30.8	31.1	31.6	32.6	249
33.2	33.8	34.1	34.4	34.7	35.0	35.4	35.8	36.1	36.5	36.8	37.2	38.2	250
17.4	18.0	18.2	18.4	18.7	18.9	19.1	19.4	19.6	19.8	20.0	20.3	20.8	251
13.0	13.4	13.6	13.8	14.0	14.2	14.4	14.6	14.8	15.1	15.3	15.5	16.0	252

UNITS-NO. 201.CM/CUBE ROOT(KG), IN./CUBE ROOT(LB). ALL OTHERS ARE PERCENTAGES

TABLE XXXVIII
STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR INDICES

VARIABLE	MEAN	SE (M)	ST DEV (SD)	SE	COEF VAR	SAMPLE SIZE	SYMM ETRY	KURT OSIS
253 FOREARM-HAND LTH/STATURE INDEX	25.77	0.02	0.83	0.01	3.2	1905	0.32	3.23
254 THIGH LENGTH/STATURE INDEX	25.10	0.03	1.36	0.02	5.4	1905	-0.05	3.01
255 LEG LENGTH/STATURE INDEX	21.71	0.02	0.95	0.02	4.4	1905	0.10	2.96
256 HAND LENGTH/STATURE INDEX	11.34	0.01	0.48	0.01	4.2	1905	0.30	3.08
257 FOOT LENGTH/STATURE INDEX	14.85	0.01	0.51	0.01	3.4	1905	0.19	2.99
258 THUMB-TIP REACH/STATURE INDEX	45.74	0.04	1.83	0.03	4.0	1905	0.12	3.11
259 THUMB-TIP REACH, EXTEND/STATURE	51.72	0.05	2.38	0.04	4.6	1905	0.36	3.22
260 OVERHEAD REACH/STATURE INDEX	122.90	0.06	2.76	0.04	2.2	1905	-0.04	2.88
261 SHOULDER CIRCUMFERENCE/STATURE	61.99	0.07	3.23	0.05	5.2	1905	0.48	3.75
262 CHEST CIRC AT SCYE/STATURE IDX	52.01	0.07	3.11	0.05	6.0	1905	0.58	3.78
263 BUST CIRCUMFER/STATURE INDEX	55.39	0.08	3.59	0.06	6.5	1905	0.70	4.19
264 CHEST CIRC BELOW BUST/STATURE	45.88	0.07	2.99	0.05	6.5	1905	0.67	4.16
265 WAIST CIRCUMFER/STATURE INDEX	41.48	0.08	3.29	0.05	7.9	1905	0.90	4.76
266 ABDOMINAL EXTENSION C/STATURE	52.86	0.10	4.43	0.07	8.4	1905	0.65	3.96
267 HIP CIRC-7 BELOW WAIST/STATURE	57.80	0.08	3.35	0.05	5.8	1905	0.65	4.14
268 HIP CIRC-9 BELOW WAIST/STATURE	58.80	0.08	3.56	0.06	6.1	1905	0.43	3.68
269 VERTICAL TRUNK CIRC/STATURE	95.30	0.08	3.45	0.06	3.6	1905	0.42	3.60
270 VERTICAL TRUNK C, SIT'G/STATURE	92.60	0.07	3.05	0.05	3.3	1905	0.33	3.65
271 BUTTOCK CIRC, SIT'G/STATURE IDX	61.72	0.08	3.58	0.06	5.8	1905	0.69	4.18

UNITS-NO. 201.CM/CUBE ROOT(KG), IN./CUBE ROOT(LB). ALL OTHERS ARE PERCENTAGES

TABLE XXXVIII
STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR INDICES

PERCENTILES													VAR
1ST	5TH	10TH	15TH	25TH	35TH	50TH	65TH	75TH	85TH	90TH	95TH	99TH	NO
24.0	24.5	24.8	24.9	25.2	25.4	25.7	26.0	26.3	26.6	26.9	27.2	28.0	253
21.9	22.8	23.3	23.7	24.2	24.6	25.1	25.6	26.0	26.5	26.8	27.3	28.3	254
19.6	20.2	20.5	20.7	21.1	21.3	21.7	22.1	22.4	22.7	23.0	23.3	24.0	255
10.3	10.6	10.7	10.8	11.0	11.1	11.3	11.5	11.7	11.8	12.0	12.2	12.6	256
13.7	14.0	14.2	14.3	14.5	14.6	14.8	15.0	15.2	15.4	15.5	15.7	16.1	257
41.4	42.8	43.4	43.9	44.5	45.0	45.7	46.4	46.9	47.6	48.1	48.9	50.3	258
46.7	48.0	48.8	49.3	50.1	50.7	51.6	52.5	53.2	54.2	54.9	55.9	58.2	259
116.7	118.4	119.3	120.0	121.0	121.8	122.9	124.0	124.8	125.8	126.5	127.4	129.2	260
55.1	57.1	58.1	58.8	59.8	60.6	61.8	63.0	64.0	65.3	66.2	67.6	70.6	261
45.8	47.4	48.3	48.9	49.9	50.7	51.7	52.9	53.8	55.1	56.1	57.5	60.8	262
48.2	50.2	51.2	51.9	52.9	53.8	55.0	56.4	57.5	59.0	60.1	61.9	65.6	263
39.8	41.5	42.4	43.0	43.8	44.6	45.6	46.7	47.6	48.9	49.8	51.3	54.4	264
35.4	36.8	37.7	38.3	39.2	40.0	41.1	42.3	43.3	44.7	45.8	47.5	51.4	265
44.0	46.3	47.6	48.5	49.8	50.9	52.5	54.1	55.4	57.2	58.5	60.8	66.0	266
50.9	52.8	53.8	54.6	55.6	56.4	57.5	58.7	59.7	61.0	62.0	63.8	68.2	267
51.1	53.3	54.5	55.3	56.4	57.4	58.6	59.9	60.9	62.3	63.3	65.0	69.1	268
87.8	90.0	91.1	91.9	93.0	93.9	95.1	96.3	97.4	98.7	99.8	101.4	105.0	269
85.7	88.0	89.0	89.6	90.6	91.4	92.4	93.6	94.5	95.7	96.5	97.8	100.3	270
54.5	56.4	57.5	58.2	59.3	60.2	61.4	62.7	63.8	65.2	66.3	68.1	72.5	271

UNITS-NO. 201.CM/CUBE ROOT(KG), IN./CUBE ROOT(LB). ALL OTHERS ARE PERCENTAGES

SECTION XIX

COMPUTED VARIABLES

The opportunity to compute new variables from the directly measured ones permits us to enrich our statistics in two major fashions:

(1) We can compute values for variables which cannot be easily measured directly as, for example, the difference between biceps circumference when the arm is flexed and when it is relaxed, and for variables such as many of the indices of the previous section, which are, in a sense, more statistical or mathematical entries than physical ones; and

(2) We can provide statistical summaries for many more variables than the number which it is practical to measure in the field.

Variables of both these types appear in table XXXIX. The 214 computed variables in this table have been grouped into the following categories:

- I. height level differences; variables 301-401.
- II. left side vs right side differences; variables 402-406.
- III. differences in the same measurement with the body in different positions; variables 407-414.
- IV. differences of with- and without-foundation-garment measurements; variables 415-427.
- V. distances between points on the face profile; variables 428-442.
- VI. differences between circumferences, breadths and depths; variables 443-508.
- VII. a miscellaneous category; variables 509-514.

The variables in table XXXIX are the following:

I. The Height Level Differences:

- 301-313 Stature minus each of the following heights: cervicale, acromial, suprasternale, bust-point, waist, abdominal extension, trochanteric, buttock, gluteal furrow, tibiale, crotch, ankle, and lateral malleolus.
- 314-325 Cervicale height minus each of the following heights: acromial, suprasternale, bust-point, waist, abdominal extension, trochanteric, buttock, gluteal furrow, tibiale, crotch, ankle, and lateral malleolus.
- 326-336 Acromial height minus each of the following heights: suprasternale, bustpoint, waist, abdominal extension, trochanteric, buttock, gluteal furrow, tibiale, crotch, ankle, and lateral malleolus.
- 337-346 Suprasternale height minus each of the following heights: bustpoint, waist, abdominal extension, trochanteric, buttock, gluteal furrow, tibiale, crotch, ankle, and lateral malleolus.
- 347-355 Bustpoint height minus each of the following heights: waist, abdominal extension, trochanteric, buttock, gluteal furrow, tibiale, crotch, ankle and lateral malleolus.
- 356-363 Waist height minus each of the following heights: abdominal extension, trochanteric, buttock, gluteal furrow, tibiale, crotch, ankle and lateral malleolus.
- 364-370 Abdominal extension height minus each of the following heights: trochanteric, buttock, gluteal furrow, tibiale, crotch, ankle and lateral malleolus.
- 371-376 Trochanteric height minus each of the following heights: buttock, gluteal furrow, tibiale, crotch, ankle, and lateral malleolus.

- 377-381 Buttock height minus each of the following heights: gluteal furrow, tibiale, crotch, ankle, and lateral malleolus.
- 382-385 Gluteal furrow height minus each of the following heights: tibiale, crotch, ankle, and lateral malleolus.
- 386-388 Tibiale height minus each of the following heights: crotch, ankle, and lateral malleolus.
- 389-390 Crotch height minus ankle height and lateral malleolus height.
- 391 Ankle height minus lateral malleolus height.
- 392-395 Sitting height minus each of the following sitting heights: eye, midshoulder, waist, and elbow rest.
- 396-398 Eye height, sitting, minus each of the following sitting heights: midshoulder, waist, and elbow rest.
- 399-400 Midshoulder height, sitting, minus waist height, sitting and elbow rest height.
- 401 Waist height, sitting, minus elbow rest height.

II. The Right-Left Differences:

- 402 Calf difference: calf circumference, right minus calf circumference, left.
- 403 Humeral difference: humeral breadth, right minus humeral breadth, left.
- 404 Femoral difference: femoral breadth, right minus femoral breadth, left.
- 405 Biceps-flexed difference: biceps circumference, flexed, right minus biceps circumference, flexed, left.
- 406 Biceps-relaxed, difference: biceps circumference, relaxed, right minus biceps circumference, relaxed, left.

III. Differences in the Same Measurement With the Body in Different Positions:

- 407 Stature, maximum minus stature.
- 408 Sitting height minus sitting height, relaxed.
- 409 Thumb-tip reach, extended minus thumb-tip reach.
- 410 Interscye curvature, maximum minus interscye curvature.
- 411 Biceps circumference, flexed, right minus biceps circumference, relaxed, right.
- 412 Biceps circumference, flexed, left minus biceps circumference, relaxed, left.
- 413 Forearm circumference, flexed minus forearm circumference, relaxed.
- 414 Vertical trunk circumference minus vertical trunk circumference, sitting.

IV. The With- Without-Foundation Garment Differences (For these variables the sample size is 1522, the number of subjects who were measured wearing these garments.):

- 415 Abdominal extension circumference minus abdominal extension circumference over foundation garment.
- 416 Abdominal extension depth minus abdominal extension depth over foundation garment.
- 417 Abdominal extension height minus abdominal extension height over foundation garment.
- 418 Waist height minus waist height over foundation garment.
- 419 Waist breadth minus waist breadth over foundation garment.
- 420 Waist depth minus waist depth over foundation garment.
- 421 Waist circumference minus waist circumference over foundation garment.

- 422 Hip circumference—seven inches below waist level minus hip circumference over foundation garment at the same level.
- 423 Hip circumference—nine inches below waist level minus hip circumference over foundation garment at the same level.
- 424 Buttock circumference, sitting, minus buttock circumference, sitting, over foundation garment.
- 425 Hip breadth minus hip breadth over foundation garment.
- 426 Buttock depth minus buttock depth over foundation garment.
- 427 Thigh-to-thigh breadth, sitting, minus thigh-to-thigh breadth, sitting, over foundation garment.

V. Distances between Points on the Profile of the Face:

Variables 428-442 are distances—in the sagittal or profile plane—between points on the face computed by treating the 'Z' to top of head measurement as the y-coordinate of 'Z' and the 'Z' to wall measurement as the x-coordinate of 'Z' and using the cartesian distance formula. The term *mouth opening* is used here to refer to the point slightly forward of stomion for which stomion to top of head serves as the vertical coordinate and lip protrusion-to-wall serves as the horizontal one.

- 428-432 Tragon to external canthus, to pronasale, to subnasale, to mouth opening, and to menton distances.
- 433-436 External canthus to pronasale, to subnasale, to stomion opening, and to menton distances.
- 437-439 Pronasale to subnasale, to mouth opening, and to menton distances.
- 440-441 Subnasale to mouth opening and to menton distances.
- 442 Mouth opening to menton distance.

VI. Differences between Circumferences, Breadths, and Depths:

- 443-450 Shoulder circumference minus each of the following: chest circumference at scye, bust circumference, chest circumference below bust, waist circumference, abdominal extension circumference, hip circumference—seven inches below waist level, hip circumference—nine inches below waist level, and buttock circumference, sitting.
- 451-457 Chest circumference at scye minus each of the following: bust circumference, chest circumference below bust, waist circumference, abdominal extension circumference, hip circumference—seven inches below waist level, hip circumference—nine inches below waist level, and buttock circumference, sitting.
- 458-463 Bust circumference minus each of the following: chest circumference below bust, waist circumference, abdominal extension circumference, hip circumference—seven inches below waist level, hip circumference—nine inches below waist level, and buttock circumference, sitting.
- 464-468 Chest circumference below bust minus each of the following: waist circumference, abdominal extension circumference, hip circumference—seven inches below waist level, hip circumference—nine inches below waist level, and buttock circumference, sitting.
- 469-472 Waist circumference minus each of the following: abdominal extension circumference, hip circumference—seven inches below waist level, hip circumference—nine inches below waist level, and buttock circumference, sitting.
- 473-475 Abdominal extension circumference minus each of the following: hip circumference—seven inches below waist level, hip circumference—nine inches below waist level, and buttock circumference, sitting.

- 476-477 Hip circumference—seven inches below waist level minus each of the following:
hip circumference—nine inches below waist level and buttock circumference, sitting.
- 478 Hip circumference—nine inches below waist level minus buttock circumference, sitting.
- 479 Scye circumference minus axillary arm circumference.
- 480 Axillary arm circumference minus biceps circumference, relaxed, right.
- 481 Biceps circumference, flexed, right, minus elbow circumference, flexed, right.
- 482 Biceps circumference, relaxed, right, minus forearm circumference, relaxed.
- 483 Biceps circumference, flexed, right, minus forearm circumference, flexed.
- 484 Elbow circumference, flexed minus forearm circumference, flexed.
- 485 Forearm circumference, relaxed minus wrist circumference.
- 486 Calf circumference minus ankle circumference.
- 487 Bideloid breadth minus biacromial breadth.
- 488 Biacromial breadth minus chest breadth.
- 489 Chest breadth minus waist breadth.
- 490 Chest breadth minus hip breadth.
- 491 Waist breadth minus hip breadth.
- 492 Chest depth minus waist depth.
- 493 Chest depth minus abdominal extension depth.
- 494 Chest depth minus buttock depth.
- 495 Waist depth minus abdominal extension depth.
- 496 Waist depth minus buttock depth.
- 497 Abdominal extension depth minus buttock depth.
- 498 Biauricular breadth minus head breadth.
- 499 Head breadth minus bitragion breadth.
- 500 Head breadth minus bizygomatic breadth.
- 501 Head breadth minus bigonial breadth.
- 502 Head breadth minus biocular breadth.
- 503 Bitragion breadth minus bizygomatic breadth.
- 504 Bitragion breadth minus bigonial breadth.
- 505 Bitragion breadth minus biocular breadth.
- 506 Bizygomatic breadth minus bigonial breadth.
- 507 Bizygomatic breadth minus biocular breadth.
- 508 Bigonial breadth minus biocular breadth.

VII. Miscellany

- 509 Forearm-hand length: radiale-stylian length plus hand length.
- 510 Buttock-knee length minus buttock-popliteal length.
- 511 Scye-to-elbow length (sleeve length segment) : spine-to-elbow length minus spine-to-scye length.
- 512 Scye-to-wrist length (sleeve length segment) : spine-to-wrist length minus spine-to-scye length.
- 513 Elbow-to-wrist length (sleeve length segment) : spine-to-wrist length minus spine-to-elbow length.
- 514 Front curvature: bust circumference minus back curvature.

TABLE XXXIX
STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR COMPUTED VARIABLES

VARIABLE	MEAN	SE (M)	ST DEV (SD)	SE	COEF VAR	SAMPLE SIZE	SYMM ETRY	KURT OSIS
301 STATURE MINUS CERVICALE HEIGHT	22.91	0.03	1.32	0.02	5.8	1905	0.04	3.06
	9.02	0.01	0.52	0.01	5.8	1905	0.04	3.06
302 STATURE MINUS ACROMIAL HEIGHT	30.24	0.04	1.73	0.03	5.7	1905	0.04	3.27
	11.91	0.02	0.68	0.01	5.7	1905	0.04	3.27
303 STATURE MINUS SUPRASTERNALE HEIGHT	30.10	0.03	1.49	0.02	5.0	1905	0.02	3.10
	11.85	0.01	0.59	0.01	5.0	1905	0.02	3.10
304 STATURE MINUS BUSTPOINT HEIGHT	43.78	0.05	2.28	0.04	5.2	1905	0.00	3.18
	17.24	0.02	0.90	0.01	5.2	1905	0.00	3.18
305 STATURE MINUS WAIST HEIGHT	61.82	0.06	2.63	0.04	4.3	1905	0.15	2.91
	24.34	0.02	1.04	0.02	4.3	1905	0.15	2.91
306 STATURE MINUS ABDOMINAL EXTENSION HEIGHT	68.95	0.06	2.82	0.05	4.1	1905	0.08	2.96
	27.15	0.03	1.11	0.02	4.1	1905	0.08	2.96
307 STATURE MINUS TROCHANTERIC HEIGHT	79.43	0.07	3.26	0.05	4.1	1905	0.11	2.85
	31.27	0.03	1.28	0.02	4.1	1905	0.11	2.85
308 STATURE MINUS BUTTOCK HEIGHT	79.89	0.08	3.32	0.05	4.2	1905	0.03	2.88
	31.45	0.03	1.31	0.02	4.2	1905	0.03	2.88
309 STATURE MINUS GLUTEAL FURROW HEIGHT	89.40	0.08	3.53	0.06	4.0	1905	0.09	2.89
	35.20	0.03	1.39	0.02	4.0	1905	0.09	2.89
310 STATURE MINUS TIBIALE HEIGHT	120.12	0.10	4.39	0.07	3.7	1905	0.13	2.75
	47.29	0.04	1.73	0.03	3.7	1905	0.13	2.75
311 STATURE MINUS CROTCH HEIGHT	87.60	0.08	3.35	0.05	3.8	1905	0.03	2.82
	34.49	0.03	1.32	0.02	3.8	1905	0.03	2.82
312 STATURE MINUS ANKLE HEIGHT	150.92	0.13	5.74	0.09	3.8	1905	0.16	2.77
	59.42	0.05	2.26	0.04	3.8	1905	0.16	2.77
313 STATURE MINUS LATERAL MALLEOLUS HEIGHT	155.33	0.13	5.78	0.09	3.7	1905	0.15	2.75
	61.15	0.05	2.27	0.04	3.7	1905	0.15	2.75
314 CERVICALE HEIGHT MINUS ACROMIAL HEIGHT	7.34	0.03	1.46	0.02	19.9	1905	-0.08	3.06
	2.89	0.01	0.58	0.01	19.9	1905	-0.08	3.06
315 CERVICALE HEIGHT MINUS SUPRASTERNALE HEIGHT	7.19	0.03	1.29	0.02	18.0	1905	0.04	3.04
	2.83	0.01	0.51	0.01	18.0	1905	0.04	3.04
316 CERVICALE HEIGHT MINUS BUSTPOINT HEIGHT	20.88	0.05	2.07	0.03	9.9	1905	0.04	3.14
	8.22	0.02	0.82	0.01	9.9	1905	0.04	3.14
317 CERVICALE HEIGHT MINUS WAIST HEIGHT	38.92	0.05	2.16	0.04	5.6	1905	0.11	3.06
	15.32	0.02	0.85	0.01	5.6	1905	0.11	3.06
318 CERVICALE HEIGHT MINUS ABDOMINAL EXTENSION HEIGHT	46.04	0.05	2.36	0.04	5.1	1905	0.10	2.98
	18.13	0.02	0.93	0.02	5.1	1905	0.10	2.98

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XXXIX
STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR COMPUTED VARIABLES

PERCENTILES													VAR NO
1ST	5TH	10TH	15TH	25TH	35TH	50TH	65TH	75TH	85TH	90TH	95TH	99TH	
19.8	20.8	21.2	21.5	22.0	22.4	22.9	23.4	23.8	24.3	24.6	25.1	26.1	301
7.8	8.2	8.4	8.5	8.7	8.8	9.0	9.2	9.4	9.6	9.7	9.9	10.3	
26.1	27.4	28.0	28.5	29.1	29.6	30.2	30.9	31.4	32.0	32.4	33.1	34.6	302
10.3	10.8	11.0	11.2	11.5	11.7	11.9	12.2	12.3	12.6	12.8	13.0	13.6	
26.7	27.7	28.2	28.6	29.1	29.5	30.1	30.7	31.1	31.6	32.0	32.5	33.6	303
10.5	10.9	11.1	11.2	11.5	11.6	11.9	12.1	12.2	12.5	12.6	12.8	13.2	
38.5	40.0	40.9	41.4	42.3	42.9	43.8	44.7	45.3	46.1	46.7	47.5	49.3	304
15.2	15.8	16.1	16.3	16.6	16.9	17.2	17.6	17.8	18.2	18.4	18.7	19.4	
56.2	57.6	58.4	59.0	60.0	60.7	61.8	62.8	63.6	64.6	65.3	66.2	68.1	305
22.1	22.7	23.0	23.2	23.6	23.9	24.3	24.7	25.0	25.4	25.7	26.1	26.8	
62.6	64.4	65.3	66.0	67.0	67.8	68.9	70.0	70.9	71.9	72.6	73.6	75.6	306
24.7	25.3	25.7	26.0	26.4	26.7	27.1	27.6	27.9	28.3	28.6	29.0	29.8	
72.2	74.2	75.2	76.0	77.1	78.1	79.4	80.7	81.7	82.9	83.7	84.9	86.9	307
28.4	29.2	29.6	29.9	30.4	30.7	31.2	31.8	32.1	32.6	33.0	33.4	34.2	
72.4	74.5	75.6	76.4	77.6	78.6	79.9	81.2	82.1	83.4	84.2	85.5	87.9	308
28.5	29.3	29.8	30.1	30.6	30.9	31.4	32.0	32.3	32.8	33.1	33.6	34.6	
81.8	83.6	84.8	85.6	86.9	88.0	89.4	90.8	91.8	93.1	93.9	95.2	97.7	309
32.2	32.9	33.4	33.7	34.2	34.6	35.2	35.7	36.1	36.6	37.0	37.5	38.5	
110.5	113.0	114.5	115.5	117.0	118.3	120.0	121.8	123.2	124.9	126.0	127.6	130.3	310
43.5	44.5	45.1	45.5	46.1	46.6	47.2	48.0	48.5	49.2	49.6	50.3	51.3	
80.1	82.0	83.2	84.0	85.3	86.3	87.6	88.9	89.9	91.1	91.9	93.1	95.5	311
31.5	32.3	32.8	33.1	33.6	34.0	34.5	35.0	35.4	35.9	36.2	36.7	37.6	
138.8	141.7	143.5	144.8	146.8	148.5	150.8	153.1	154.8	157.0	158.5	160.6	164.6	312
54.6	55.8	56.5	57.0	57.8	58.5	59.4	60.3	60.9	61.8	62.4	63.2	64.8	
143.2	146.0	147.9	149.2	151.2	152.9	155.2	157.5	159.2	161.4	162.9	165.1	169.3	313
56.4	57.5	58.2	58.7	59.5	60.2	61.1	62.0	62.7	63.5	64.1	65.0	66.7	
3.9	4.9	5.4	5.8	6.3	6.8	7.3	7.9	8.3	8.9	9.2	9.7	10.7	314
1.5	1.9	2.1	2.3	2.5	2.7	2.9	3.1	3.3	3.5	3.6	3.8	4.2	
4.2	5.1	5.6	5.9	6.3	6.7	7.2	7.7	8.1	8.5	8.9	9.4	10.3	315
1.6	2.0	2.2	2.3	2.5	2.6	2.8	3.0	3.2	3.4	3.5	3.7	4.0	
16.0	17.5	18.3	18.8	19.5	20.1	20.9	21.6	22.2	23.0	23.5	24.3	25.8	316
6.3	6.9	7.2	7.4	7.7	7.9	8.2	8.5	8.8	9.1	9.3	9.6	10.2	
34.1	35.4	36.2	36.7	37.5	38.1	38.9	39.7	40.3	41.1	41.7	42.5	44.2	317
13.4	13.9	14.2	14.4	14.7	15.0	15.3	15.6	15.9	16.2	16.4	16.7	17.4	
40.7	42.2	43.0	43.6	44.4	45.1	46.0	46.9	47.6	48.5	49.1	50.0	52.0	318
16.0	16.6	16.9	17.2	17.5	17.8	18.1	18.5	18.7	19.1	19.3	19.7	20.5	

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XXXIX
STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR COMPUTED VARIABLES

VARIABLE	MEAN	SE (M)	ST DEV (SD)	SE	COEF VAR	SAMPLE SIZE	SYMM ETRY	KURT OSIS
319 CERVICALE HEIGHT MINUS TROCHANTERIC HEIGHT	56.52 22.25	0.06 0.03	2.81 1.11	0.05 0.02	5.0 5.0	1905 1905	0.09 0.09	2.98 2.98
320 CERVICALE HEIGHT MINUS BUTTOCK HEIGHT	56.98 22.43	0.06 0.03	2.83 1.11	0.05 0.02	5.0 5.0	1905 1905	0.08 0.08	2.94 2.94
321 CERVICALE HEIGHT MINUS GLUTEAL FURROW HEIGHT	66.49 26.18	0.07 0.03	3.08 1.21	0.05 0.02	4.6 4.6	1905 1905	0.10 0.10	2.92 2.92
322 CERVICALE HEIGHT MINUS TIBIALE HEIGHT	97.21 38.27	0.09 0.03	3.84 1.51	0.06 0.02	3.9 3.9	1905 1905	0.11 0.11	2.79 2.79
323 CERVICALE HEIGHT MINUS CROTCH HEIGHT	64.69 25.47	0.06 0.03	2.78 1.09	0.05 0.02	4.3 4.3	1905 1905	0.03 0.03	2.87 2.87
324 CERVICALE HEIGHT MINUS ANKLE HEIGHT	128.01 50.40	0.12 0.05	5.23 2.06	0.08 0.03	4.1 4.1	1905 1905	0.14 0.14	2.78 2.78
325 CERVICALE HEIGHT MINUS LATERAL MALLEOLUS HEIGHT	132.42 52.13	0.12 0.05	5.30 2.09	0.09 0.03	4.0 4.0	1905 1905	0.13 0.13	2.78 2.78
326 ACROMIAL HEIGHT MINUS SUPRASTERNALE HEIGHT	-0.14 -0.06	0.03 0.01	1.39 0.55	0.02 0.01	GT99 GT99	1905 1905	0.11 0.11	3.29 3.29
327 ACROMIAL HEIGHT MINUS BUSTPOINT HEIGHT	13.54 5.33	0.04 0.02	1.95 0.77	0.03 0.01	14.4 14.4	1905 1905	0.06 0.06	3.14 3.14
328 ACROMIAL HEIGHT MINUS WAIST HEIGHT	31.58 12.43	0.05 0.02	2.23 0.88	0.04 0.01	7.0 7.0	1905 1905	0.25 0.25	3.25 3.25
329 ACROMIAL HEIGHT MINUS ABDOMINAL EXTENSION HEIGHT	38.71 15.24	0.06 0.02	2.44 0.96	0.04 0.02	6.3 6.3	1905 1905	0.14 0.14	3.05 3.05
330 ACROMIAL HEIGHT MINUS TROCHANTERIC HEIGHT	49.19 19.37	0.06 0.03	2.78 1.09	0.05 0.02	5.6 5.6	1905 1905	0.16 0.16	3.18 3.18
331 ACROMIAL HEIGHT MINUS BUTTOCK HEIGHT	49.65 19.55	0.07 0.03	2.86 1.12	0.05 0.02	5.8 5.8	1905 1905	0.08 0.08	3.04 3.04
332 ACROMIAL HEIGHT MINUS GLUTEAL FURROW HEIGHT	59.16 23.29	0.07 0.03	3.13 1.23	0.05 0.02	5.3 5.3	1905 1905	0.16 0.16	2.89 2.89
333 ACROMIAL HEIGHT MINUS TIBIALE HEIGHT	89.88 35.38	0.09 0.03	3.86 1.52	0.06 0.02	4.3 4.3	1905 1905	0.12 0.12	2.81 2.81
334 ACROMIAL HEIGHT MINUS CROTCH HEIGHT	57.36 22.58	0.07 0.03	2.84 1.12	0.05 0.02	5.0 5.0	1905 1905	0.09 0.09	2.93 2.93
335 ACROMIAL HEIGHT MINUS ANKLE HEIGHT	120.67 47.51	0.12 0.05	5.21 2.05	0.08 0.03	4.3 4.3	1905 1905	0.14 0.14	2.79 2.79
336 ACROMIAL HEIGHT MINUS LATERAL MALLEOLUS HEIGHT	125.09 49.25	0.12 0.05	5.26 2.07	0.09 0.03	4.2 4.2	1905 1905	0.13 0.13	2.76 2.76

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XXXIX
STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR COMPUTED VARIABLES

PERCENTILES													VAR NO
1ST	5TH	10TH	15TH	25TH	35TH	50TH	65TH	75TH	85TH	90TH	95TH	99TH	
50.2	51.9	52.9	53.6	54.6	55.4	56.5	57.6	58.4	59.4	60.1	61.2	63.2	319
19.8	20.5	20.8	21.1	21.5	21.8	22.2	22.7	23.0	23.4	23.7	24.1	24.9	
50.5	52.4	53.4	54.1	55.1	55.8	56.9	58.0	58.9	59.9	60.7	61.8	63.8	320
19.9	20.6	21.0	21.3	21.7	22.0	22.4	22.8	23.2	23.6	23.9	24.3	25.1	
59.8	61.5	62.5	63.2	64.3	65.2	66.5	67.7	68.6	69.7	70.5	71.6	73.9	321
23.5	24.2	24.6	24.9	25.3	25.7	26.2	26.6	27.0	27.4	27.7	28.2	29.1	
88.8	91.0	92.3	93.2	94.5	95.6	97.1	98.7	99.9	101.3	102.3	103.7	106.0	322
34.9	35.8	36.3	36.7	37.2	37.6	38.2	38.8	39.3	39.9	40.3	40.8	41.7	
58.3	60.1	61.1	61.8	62.8	63.6	64.7	65.8	66.6	67.6	68.3	69.3	71.3	323
23.0	23.7	24.1	24.3	24.7	25.0	25.5	25.9	26.2	26.6	26.9	27.3	28.1	
117.1	119.6	121.3	122.4	124.2	125.8	127.9	130.0	131.6	133.6	134.9	136.8	140.2	324
46.1	47.1	47.7	48.2	48.9	49.5	50.3	51.2	51.8	52.6	53.1	53.9	55.2	
121.1	123.9	125.6	126.8	128.7	130.2	132.3	134.4	136.0	138.0	139.3	141.3	145.0	325
47.7	48.8	49.5	49.9	50.7	51.3	52.1	52.9	53.5	54.3	54.9	55.6	57.1	
-3.4	-2.4	-1.9	-1.6	-1.1	-0.7	-0.1	0.4	0.8	1.3	1.6	2.1	3.2	326
-1.3	-1.0	-0.8	-0.6	-0.4	-0.3	-0.1	0.1	0.3	0.5	0.6	0.8	1.3	
9.1	10.4	11.1	11.5	12.2	12.8	13.5	14.3	14.8	15.6	16.1	16.8	18.2	327
3.6	4.1	4.4	4.5	4.8	5.0	5.3	5.6	5.8	6.1	6.3	6.6	7.2	
26.6	28.1	28.9	29.3	30.1	30.7	31.5	32.3	33.0	33.9	34.5	35.4	37.2	328
10.5	11.1	11.4	11.6	11.8	12.1	12.4	12.7	13.0	13.3	13.6	13.9	14.6	
33.3	34.7	35.6	36.2	37.0	37.7	38.7	39.6	40.3	41.2	41.8	42.8	44.7	329
13.1	13.7	14.0	14.2	14.6	14.9	15.2	15.6	15.9	16.2	16.5	16.8	17.6	
42.9	44.8	45.7	46.4	47.3	48.0	49.1	50.1	51.0	52.1	52.8	54.0	56.1	330
16.9	17.6	18.0	18.3	18.6	18.9	19.3	19.7	20.1	20.5	20.8	21.2	22.1	
43.0	45.1	46.1	46.7	47.7	48.5	49.6	50.7	51.5	52.6	53.4	54.5	56.7	331
16.9	17.7	18.1	18.4	18.8	19.1	19.5	19.9	20.3	20.7	21.0	21.5	22.3	
52.4	54.2	55.2	55.9	57.0	57.8	59.1	60.3	61.3	62.5	63.3	64.5	66.9	332
20.6	21.3	21.7	22.0	22.4	22.8	23.2	23.7	24.1	24.6	24.9	25.4	26.3	
81.2	83.7	85.0	85.8	87.1	88.2	89.8	91.3	92.5	94.1	95.1	96.5	98.6	333
32.0	32.9	33.4	33.8	34.3	34.7	35.3	36.0	36.4	37.0	37.4	38.0	38.8	
50.9	52.6	53.7	54.4	55.4	56.2	57.3	58.4	59.3	60.3	61.0	62.1	64.3	334
20.0	20.7	21.1	21.4	21.8	22.1	22.6	23.0	23.3	23.7	24.0	24.4	25.3	
109.4	112.3	114.0	115.1	116.9	118.4	120.5	122.6	124.2	126.3	127.6	129.6	132.8	335
43.1	44.2	44.9	45.3	46.0	46.6	47.4	48.3	48.9	49.7	50.2	51.0	52.3	
113.7	116.5	118.3	119.5	121.3	122.9	124.9	127.1	128.6	130.6	132.0	133.9	137.6	336
44.7	45.9	46.6	47.0	47.8	48.4	49.2	50.0	50.6	51.4	52.0	52.7	54.2	

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XXXIX
STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR COMPUTED VARIABLES

VARIABLE	MEAN	SE (M)	ST DEV (SD)	SE	COEF VAR	SAMPLE SIZE	SYMM ETRY	KURT OSIS
337 SUPRASTERNALE MINUS BUSTPOINT HEIGHT	13.68 5.39	0.04 0.02	1.79 0.71	0.03 0.01	13.1 13.1	1905 1905	0.09 0.09	3.14 3.14
338 SUPRASTERNALE MINUS WAIST HEIGHT	31.72 12.49	0.05 0.02	1.99 0.78	0.03 0.01	6.3 6.3	1905 1905	0.25 0.25	3.40 3.40
339 SUPRASTERNALE MINUS ABDOMINAL EXTENSION HEIGHT	38.85 15.30	0.05 0.02	2.17 0.86	0.04 0.01	5.6 5.6	1905 1905	0.18 0.18	3.18 3.18
340 SUPRASTERNALE MINUS TROCHANTERIC HEIGHT	49.33 19.42	0.06 0.02	2.60 1.02	0.04 0.02	5.3 5.3	1905 1905	0.15 0.15	2.97 2.97
341 SUPRASTERNALE MINUS BUTTOCK HEIGHT	49.79 19.60	0.06 0.02	2.67 1.05	0.04 0.02	5.4 5.4	1905 1905	0.11 0.11	3.16 3.16
342 SUPRASTERNALE MINUS GLUTEAL FURROW HEIGHT	59.30 23.35	0.07 0.03	2.95 1.16	0.05 0.02	5.0 5.0	1905 1905	0.15 0.15	2.88 2.88
343 SUPRASTERNALE MINUS TIBIALE HEIGHT	90.02 35.44	0.08 0.03	3.66 1.44	0.06 0.02	4.1 4.1	1905 1905	0.12 0.12	2.80 2.80
344 SUPRASTERNALE MINUS CROTCH HEIGHT	57.50 22.64	0.06 0.02	2.60 1.02	0.04 0.02	4.5 4.5	1905 1905	0.08 0.08	2.89 2.89
345 SUPRASTERNALE MINUS ANKLE HEIGHT	120.81 47.56	0.12 0.05	5.04 1.98	0.08 0.03	4.2 4.2	1905 1905	0.14 0.14	2.78 2.78
346 SUPRASTERNALE MINUS LATERAL MALLEOLUS HEIGHT	125.23 49.30	0.12 0.05	5.08 2.00	0.08 0.03	4.1 4.1	1905 1905	0.14 0.14	2.79 2.79
347 BUSTPOINT HEIGHT MINUS WAIST HEIGHT	18.04 7.10	0.05 0.02	2.31 0.91	0.04 0.01	12.8 12.8	1905 1905	0.11 0.11	3.16 3.16
348 BUSTPOINT HEIGHT MINUS ABDOMINAL EXTENSION HEIGHT	25.17 9.91	0.05 0.02	2.36 0.93	0.04 0.02	9.4 9.4	1905 1905	0.09 0.09	3.14 3.14
349 BUSTPOINT HEIGHT MINUS TROCHANTERIC HEIGHT	35.65 14.03	0.06 0.02	2.70 1.06	0.04 0.02	7.6 7.6	1905 1905	0.09 0.09	2.96 2.96
350 BUSTPOINT HEIGHT MINUS BUTTOCK HEIGHT	36.11 14.21	0.06 0.03	2.81 1.10	0.05 0.02	7.8 7.8	1905 1905	0.11 0.11	3.18 3.18
351 BUSTPOINT HEIGHT MINUS GLUTEAL FURROW HEIGHT	45.62 17.96	0.07 0.03	2.88 1.14	0.05 0.02	6.3 6.3	1905 1905	0.16 0.16	3.10 3.10
352 BUSTPOINT HEIGHT MINUS TIBIALE HEIGHT	76.34 30.05	0.08 0.03	3.65 1.44	0.06 0.02	4.8 4.8	1905 1905	0.19 0.19	3.01 3.01
353 BUSTPOINT HEIGHT MINUS CROTCH HEIGHT	43.81 17.25	0.06 0.02	2.68 1.06	0.04 0.02	6.1 6.1	1905 1905	0.11 0.11	2.98 2.98
354 BUSTPOINT HEIGHT MINUS ANKLE HEIGHT	107.13 42.18	0.11 0.04	4.98 1.96	0.08 0.03	4.6 4.6	1905 1905	0.20 0.20	2.98 2.98

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XXXIX
STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR COMPUTED VARIABLES

PERCENTILES													VAR NO
1ST	5TH	10TH	15TH	25TH	35TH	50TH	65TH	75TH	85TH	90TH	95TH	99TH	
9.5	10.8	11.4	11.9	12.5	13.0	13.6	14.3	14.9	15.5	16.0	16.7	18.1	337
3.7	4.2	4.5	4.7	4.9	5.1	5.4	5.6	5.8	6.1	6.3	6.6	7.1	
27.3	28.6	29.2	29.7	30.4	30.9	31.7	32.4	33.0	33.7	34.2	35.1	37.0	338
10.7	11.2	11.5	11.7	12.0	12.2	12.5	12.8	13.0	13.3	13.5	13.8	14.6	
34.1	35.4	36.1	36.6	37.4	38.0	38.8	39.6	40.3	41.1	41.7	42.5	44.3	339
13.4	13.9	14.2	14.4	14.7	15.0	15.3	15.6	15.8	16.2	16.4	16.7	17.5	
43.5	45.1	46.0	46.6	47.5	48.3	49.3	50.3	51.1	52.0	52.7	53.7	55.6	340
17.1	17.8	18.1	18.4	18.7	19.0	19.4	19.8	20.1	20.5	20.8	21.1	21.9	
43.7	45.4	46.4	47.0	48.0	48.8	49.8	50.8	51.5	52.5	53.2	54.2	56.5	341
17.2	17.9	18.3	18.5	18.9	19.2	19.6	20.0	20.3	20.7	20.9	21.3	22.2	
52.9	54.6	55.6	56.2	57.2	58.1	59.2	60.4	61.3	62.4	63.2	64.3	66.4	342
20.8	21.5	21.9	22.1	22.5	22.9	23.3	23.8	24.1	24.6	24.9	25.3	26.1	
82.0	84.1	85.3	86.2	87.4	88.5	89.9	91.4	92.5	93.9	94.9	96.2	98.5	343
32.3	33.1	33.6	33.9	34.4	34.8	35.4	36.0	36.4	37.0	37.3	37.9	38.8	
51.6	53.2	54.2	54.8	55.7	56.5	57.5	58.5	59.2	60.2	60.9	61.8	63.7	344
20.3	21.0	21.3	21.6	21.9	22.2	22.6	23.0	23.3	23.7	24.0	24.3	25.1	
109.9	112.7	114.3	115.5	117.2	118.7	120.7	122.7	124.2	126.1	127.4	129.3	132.9	345
43.3	44.4	45.0	45.5	46.2	46.7	47.5	48.3	48.9	49.7	50.2	50.9	52.3	
114.2	117.0	118.7	119.9	121.6	123.1	125.1	127.1	128.6	130.6	131.9	133.8	137.5	346
45.0	46.1	46.7	47.2	47.9	48.5	49.2	50.0	50.6	51.4	51.9	52.7	54.1	
12.7	14.3	15.1	15.7	16.5	17.2	18.0	18.9	19.5	20.4	21.0	21.9	23.9	347
5.0	5.6	6.0	6.2	6.5	6.8	7.1	7.4	7.7	8.0	8.3	8.6	9.4	
19.7	21.4	22.2	22.8	23.6	24.2	25.1	26.0	26.7	27.6	28.2	29.1	30.7	348
7.8	8.4	8.7	9.0	9.3	9.5	9.9	10.2	10.5	10.9	11.1	11.5	12.1	
29.4	31.2	32.1	32.8	33.8	34.6	35.6	36.7	37.4	38.4	39.1	40.1	42.5	349
11.6	12.3	12.7	12.9	13.3	13.6	14.0	14.4	14.7	15.1	15.4	15.8	16.7	
29.6	31.6	32.6	33.3	34.2	35.0	36.0	37.1	37.9	39.0	39.7	40.9	43.2	350
11.6	12.4	12.8	13.1	13.5	13.8	14.2	14.6	14.9	15.3	15.6	16.1	17.0	
39.3	40.8	41.8	42.6	43.6	44.5	45.6	46.7	47.5	48.5	49.2	50.4	53.0	351
15.5	16.1	16.5	16.8	17.2	17.5	18.0	18.4	18.7	19.1	19.4	19.8	20.9	
68.3	70.6	71.8	72.6	73.8	74.8	76.2	77.7	78.8	80.2	81.2	82.6	84.8	352
26.9	27.8	28.2	28.6	29.0	29.4	30.0	30.6	31.0	31.6	32.0	32.5	33.4	
37.7	39.4	40.4	41.0	42.0	42.8	43.8	44.8	45.6	46.6	47.2	48.3	50.4	353
14.8	15.5	15.9	16.2	16.5	16.8	17.2	17.6	17.9	18.3	18.6	19.0	19.9	
96.1	99.2	100.8	102.0	103.6	105.0	106.9	108.9	110.4	112.4	113.7	115.6	119.1	354
37.8	39.1	39.7	40.1	40.8	41.3	42.1	42.9	43.5	44.2	44.8	45.5	46.9	

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XXXIX
STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR COMPUTED VARIABLES

VARIABLE	MEAN	SE (M)	ST DEV (SD)	SE	COEF VAR	SAMPLE SIZE	SYMM ETRY	KURT OSIS
355 BUSTPOINT HEIGHT MINUS LATERAL MALLEOLUS HEIGHT	111.54 43.92	0.11 0.05	5.01 1.97	0.08 0.03	4.5 4.5	1905 1905	0.19 0.19	3.00 3.00
356 WAIST HEIGHT MINUS ABDOMINAL EXTENSION HEIGHT	7.13 2.81	0.03 0.01	1.45 0.57	0.02 0.01	20.4 20.4	1905 1905	0.38 0.38	3.49 3.49
357 WAIST HEIGHT MINUS TROCHANTERIC HEIGHT	17.61 6.93	0.05 0.02	2.01 0.79	0.03 0.01	11.4 11.4	1905 1905	-0.17 -0.17	3.48 3.48
358 WAIST HEIGHT MINUS BUTTOCK HEIGHT	18.07 7.11	0.05 0.02	2.06 0.81	0.03 0.01	11.4 11.4	1905 1905	0.05 0.05	3.39 3.39
359 WAIST HEIGHT MINUS GLUTEAL FURROW HEIGHT	27.58 10.86	0.05 0.02	2.26 0.89	0.04 0.01	8.2 8.2	1905 1905	0.09 0.09	3.17 3.17
360 WAIST HEIGHT MINUS TIBIALE HEIGHT	58.30 22.95	0.07 0.03	2.85 1.12	0.05 0.02	4.9 4.9	1905 1905	0.09 0.09	2.88 2.88
361 WAIST HEIGHT MINUS CROTCH HEIGHT	25.77 10.15	0.04 0.02	1.87 0.74	0.03 0.01	7.3 7.3	1905 1905	-0.10 -0.10	3.26 3.26
362 WAIST HEIGHT MINUS ANKLE HEIGHT	89.09 35.08	0.10 0.04	4.27 1.68	0.07 0.03	4.8 4.8	1905 1905	0.15 0.15	2.85 2.85
363 WAIST HEIGHT MINUS LATERAL MALLEOLUS HEIGHT	93.50 36.81	0.10 0.04	4.29 1.69	0.07 0.03	4.6 4.6	1905 1905	0.13 0.13	2.87 2.87
364 ABDOMINAL EXTENSION HGHT MINUS TROCHANTERIC HEIGHT	10.48 4.13	0.05 0.02	1.99 0.78	0.03 0.01	19.0 19.0	1905 1905	-0.12 -0.12	3.37 3.37
365 ABDOMINAL EXTENSION HGHT MINUS BUTTOCK HEIGHT	10.94 4.31	0.05 0.02	1.99 0.78	0.03 0.01	18.2 18.2	1905 1905	-0.09 -0.09	3.56 3.56
366 ABDOMINAL EXTENSION HGHT MINUS GLUTEAL FURROW HEIGHT	20.45 8.05	0.05 0.02	2.16 0.85	0.03 0.01	10.5 10.5	1905 1905	0.14 0.14	3.25 3.25
367 ABDOMINAL EXTENSION HGHT MINUS TIBIALE HEIGHT	51.17 20.15	0.06 0.02	2.77 1.09	0.04 0.02	5.4 5.4	1905 1905	0.09 0.09	2.82 2.82
368 ABDOMINAL EXTENSION HGHT MINUS CROTCH HEIGHT	18.65 7.34	0.04 0.02	1.75 0.69	0.03 0.01	9.4 9.4	1905 1905	-0.05 -0.05	3.07 3.07
369 ABDOMINAL EXTENSION HGHT MINUS ANKLE HEIGHT	81.97 32.27	0.10 0.04	4.25 1.67	0.07 0.03	5.2 5.2	1905 1905	0.14 0.14	2.85 2.85
370 ABDOMINAL EXTENSION HGHT MINUS LATERAL MALLEOLUS HEIGHT	86.38 34.01	0.10 0.04	4.22 1.66	0.07 0.03	4.9 4.9	1905 1905	0.14 0.14	2.89 2.89
371 TROCHANTERIC HEIGHT MINUS BUTTOCK HEIGHT	0.46 0.18	0.05 0.02	2.03 0.80	0.03 0.01	GT99 GT99	1905 1905	0.11 0.11	3.07 3.07
372 TROCHANTERIC HEIGHT MINUS GLUTEAL FURROW HEIGHT	9.97 3.93	0.05 0.02	2.19 0.86	0.04 0.01	22.0 22.0	1905 1905	0.11 0.11	2.89 2.89

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XXXIX
STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR COMPUTED VARIABLES

PERCENTILES													VAR NO
1ST	5TH	10TH	15TH	25TH	35TH	50TH	65TH	75TH	85TH	90TH	95TH	99TH	
100.3	103.6	105.3	106.4	108.1	109.5	111.3	113.3	114.8	116.8	118.2	120.2	123.8	355
39.5	40.8	41.4	41.9	42.5	43.1	43.8	44.6	45.2	46.0	46.5	47.3	48.7	
3.8	4.9	5.4	5.7	6.2	6.5	7.0	7.6	8.0	8.6	9.0	9.7	11.1	356
1.5	1.9	2.1	2.2	2.4	2.6	2.8	3.0	3.1	3.4	3.6	3.8	4.4	
12.3	14.3	15.1	15.6	16.4	16.9	17.6	18.4	18.9	19.6	20.1	20.9	22.3	357
4.8	5.6	6.0	6.2	6.4	6.7	6.9	7.2	7.4	7.7	7.9	8.2	8.8	
13.0	14.6	15.5	16.0	16.7	17.3	18.1	18.8	19.4	20.1	20.7	21.5	23.2	358
5.1	5.8	6.1	6.3	6.6	6.8	7.1	7.4	7.6	7.9	8.1	8.5	9.1	
22.3	24.0	24.8	25.3	26.1	26.7	27.5	28.4	29.1	29.9	30.5	31.4	32.9	359
8.8	9.4	9.8	10.0	10.3	10.5	10.8	11.2	11.4	11.8	12.0	12.4	12.9	
52.0	53.7	54.7	55.3	56.3	57.2	58.3	59.4	60.2	61.2	62.0	63.1	65.2	360
20.5	21.1	21.5	21.8	22.2	22.5	22.9	23.4	23.7	24.1	24.4	24.8	25.7	
21.1	22.6	23.4	23.9	24.6	25.1	25.8	26.5	27.0	27.7	28.1	28.8	30.1	361
8.3	8.9	9.2	9.4	9.7	9.9	10.2	10.4	10.6	10.9	11.1	11.3	11.9	
80.1	82.2	83.6	84.6	86.1	87.3	89.0	90.7	92.0	93.6	94.7	96.3	99.4	362
31.5	32.4	32.9	33.3	33.9	34.4	35.0	35.7	36.2	36.9	37.3	37.9	39.1	
84.0	86.6	88.0	89.0	90.5	91.7	93.4	95.1	96.4	98.0	99.1	100.8	103.6	363
33.1	34.1	34.7	35.0	35.6	36.1	36.8	37.4	38.0	38.6	39.0	39.7	40.8	
5.6	7.1	7.9	8.5	9.2	9.8	10.5	11.2	11.8	12.4	12.9	13.6	15.4	364
2.2	2.8	3.1	3.3	3.6	3.9	4.2	4.4	4.6	4.9	5.1	5.4	6.1	
6.2	7.6	8.4	8.9	9.7	10.2	11.0	11.7	12.2	12.9	13.4	14.2	15.7	365
2.4	3.0	3.3	3.5	3.8	4.0	4.3	4.6	4.8	5.1	5.3	5.6	6.2	
15.4	17.0	17.8	18.3	19.0	19.6	20.4	21.2	21.8	22.7	23.2	24.1	25.8	366
6.0	6.7	7.0	7.2	7.5	7.7	8.0	8.3	8.6	8.9	9.1	9.5	10.2	
44.9	46.7	47.6	48.3	49.2	50.0	51.1	52.2	53.1	54.1	54.8	55.8	57.5	367
17.7	18.4	18.7	19.0	19.4	19.7	20.1	20.6	20.9	21.3	21.6	22.0	22.6	
14.4	15.7	16.4	16.8	17.5	18.0	18.7	19.3	19.8	20.4	20.8	21.5	22.8	368
5.7	6.2	6.5	6.6	6.9	7.1	7.4	7.6	7.8	8.0	8.2	8.4	9.0	
72.6	75.1	76.5	77.5	79.0	80.2	81.9	83.5	84.8	86.4	87.5	89.1	92.1	369
28.6	29.6	30.1	30.5	31.1	31.6	32.2	32.9	33.4	34.0	34.5	35.1	36.3	
77.0	79.7	81.1	82.0	83.4	84.6	86.2	87.9	89.2	90.9	92.0	93.6	96.5	370
30.3	31.4	31.9	32.3	32.8	33.3	33.9	34.6	35.1	35.8	36.2	36.9	38.0	
-4.0	-2.8	-2.1	-1.7	-0.9	-0.3	0.4	1.2	1.8	2.5	3.1	3.9	5.5	371
-1.6	-1.1	-0.8	-0.7	-0.4	-0.1	0.2	0.5	0.7	1.0	1.2	1.5	2.2	
5.1	6.4	7.2	7.7	8.5	9.1	9.9	10.8	11.4	12.3	12.8	13.7	15.2	372
2.0	2.5	2.8	3.0	3.3	3.6	3.9	4.2	4.5	4.8	5.1	5.4	6.0	

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XXXIX
STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR COMPUTED VARIABLES

VARIABLE	MEAN	SE (M)	ST DEV (SD)	SE	COEF VAR	SAMPLE SIZE	SYMM ETRY	KURT OSIS
373 TROCHANTERIC HEIGHT MINUS TIBIALE HEIGHT	40.69 16.02	0.06 0.03	2.82 1.11	0.05 0.02	6.9 6.9	1905 1905	0.03 0.03	2.78 2.78
374 TROCHANTERIC HEIGHT MINUS CROTCH HEIGHT	8.17 3.22	0.04 0.02	1.86 0.73	0.03 0.01	22.7 22.7	1905 1905	0.01 0.01	3.28 3.28
375 TROCHANTERIC HEIGHT MINUS ANKLE HEIGHT	71.49 28.14	0.09 0.04	4.13 1.63	0.07 0.03	5.8 5.8	1905 1905	0.10 0.10	2.80 2.80
376 TROCHANTERIC HEIGHT MINUS LATERAL MALLEOLUS HEIGHT	75.90 29.88	0.09 0.04	4.08 1.61	0.07 0.03	5.4 5.4	1905 1905	0.10 0.10	2.85 2.85
377 BUTTOCK HEIGHT MINUS GLUTEAL FURROW HEIGHT	9.51 3.74	0.04 0.02	1.96 0.77	0.03 0.01	20.6 20.6	1905 1905	0.15 0.15	3.20 3.20
378 BUTTOCK HEIGHT MINUS TIBIALE HEIGHT	40.23 15.84	0.06 0.02	2.60 1.02	0.04 0.02	6.5 6.5	1905 1905	0.07 0.07	2.99 2.99
379 BUTTOCK HEIGHT MINUS CROTCH HEIGHT	7.71 3.03	0.04 0.02	1.78 0.70	0.03 0.01	23.0 23.0	1905 1905	-0.05 -0.05	3.43 3.43
380 BUTTOCK HEIGHT MINUS ANKLE HEIGHT	71.03 27.96	0.09 0.04	3.97 1.56	0.06 0.03	5.6 5.6	1905 1905	0.10 0.10	2.91 2.91
381 BUTTOCK HEIGHT MINUS LATERAL MALLEOLUS HEIGHT	75.44 29.70	0.09 0.04	3.97 1.56	0.06 0.03	5.3 5.3	1905 1905	0.09 0.09	3.03 3.03
382 GLUTEAL FURROW HEIGHT MINUS TIBIALE HEIGHT	30.72 12.09	0.06 0.02	2.47 0.97	0.04 0.02	8.1 8.1	1905 1905	0.06 0.06	2.97 2.97
383 GLUTEAL FURROW HEIGHT MINUS CROTCH HEIGHT	-1.80 -0.71	0.04 0.02	1.93 0.76	0.03 0.01	GT99 GT99	1905 1905	-0.18 -0.18	3.06 3.06
384 GLUTEAL FURROW HEIGHT MINUS ANKLE HEIGHT	61.51 24.22	0.09 0.03	3.77 1.48	0.06 0.02	6.1 6.1	1905 1905	0.17 0.17	3.08 3.08
385 GLUTEAL FURROW HEIGHT MINUS LATERAL MALLEOLUS HEIGHT	65.93 25.96	0.09 0.03	3.79 1.49	0.06 0.02	5.7 5.7	1905 1905	0.12 0.12	3.00 3.00
386 TIBIALE HEIGHT MINUS CROTCH HEIGHT	-32.52 -12.80	0.05 0.02	2.40 0.94	0.04 0.02	7.4 7.4	1905 1905	-0.10 -0.10	2.98 2.98
387 TIBIALE HEIGHT MINUS ANKLE HEIGHT	30.80 12.12	0.05 0.02	2.15 0.85	0.03 0.01	7.0 7.0	1905 1905	0.18 0.18	2.97 2.97
388 TIBIALE HEIGHT MINUS LATERAL MALLEOLUS HEIGHT	35.21 13.86	0.05 0.02	2.22 0.87	0.04 0.01	6.3 6.3	1905 1905	0.20 0.20	3.02 3.02
389 CROTCH HEIGHT MINUS ANKLE HEIGHT	63.32 24.93	0.09 0.03	3.83 1.51	0.06 0.02	6.0 6.0	1905 1905	0.17 0.17	3.00 3.00
390 CROTCH HEIGHT MINUS LATERAL MALLEOLUS HEIGHT	67.73 26.67	0.09 0.03	3.85 1.52	0.06 0.02	5.7 5.7	1905 1905	0.15 0.15	3.02 3.02

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XXXIX
STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR COMPUTED VARIABLES

PERCENTILES													VAR NO
1ST	5TH	10TH	15TH	25TH	35TH	50TH	65TH	75TH	85TH	90TH	95TH	99TH	
34.6	36.1	37.0	37.7	38.7	39.5	40.7	41.8	42.7	43.7	44.4	45.4	47.0	373
13.6	14.2	14.6	14.8	15.2	15.6	16.0	16.5	16.8	17.2	17.5	17.9	18.5	
3.9	5.2	5.8	6.3	6.9	7.5	8.1	8.9	9.4	10.1	10.5	11.2	12.6	374
1.5	2.0	2.3	2.5	2.7	2.9	3.2	3.5	3.7	4.0	4.1	4.4	5.0	
62.4	64.7	66.1	67.1	68.6	69.8	71.4	73.1	74.3	75.9	76.9	78.4	81.2	375
24.6	25.5	26.0	26.4	27.0	27.5	28.1	28.8	29.3	29.9	30.3	30.9	32.0	
66.8	69.2	70.6	71.6	73.1	74.2	75.8	77.4	78.6	80.2	81.2	82.7	85.6	376
26.3	27.3	27.8	28.2	28.8	29.2	29.9	30.5	31.0	31.6	32.0	32.6	33.7	
5.0	6.4	7.1	7.5	8.2	8.7	9.5	10.2	10.8	11.5	12.0	12.8	14.5	377
2.0	2.5	2.8	3.0	3.2	3.4	3.7	4.0	4.2	4.5	4.7	5.1	5.7	
34.5	36.0	36.9	37.5	38.4	39.2	40.2	41.2	42.0	43.0	43.6	44.6	46.4	378
13.6	14.2	14.5	14.8	15.1	15.4	15.8	16.2	16.5	16.9	17.2	17.5	18.3	
3.4	4.7	5.4	5.9	6.6	7.1	7.8	8.4	8.9	9.5	9.9	10.5	12.0	379
1.4	1.9	2.1	2.3	2.6	2.8	3.1	3.3	3.5	3.7	3.9	4.1	4.7	
62.4	64.7	66.0	66.9	68.3	69.4	71.0	72.5	73.7	75.2	76.2	77.7	80.4	380
24.6	25.5	26.0	26.3	26.9	27.3	27.9	28.6	29.0	29.6	30.0	30.6	31.7	
66.9	69.1	70.4	71.3	72.7	73.8	75.4	76.9	78.2	79.7	80.7	82.2	84.8	381
26.3	27.2	27.7	28.1	28.6	29.1	29.7	30.3	30.8	31.4	31.8	32.3	33.4	
25.0	26.7	27.6	28.1	29.0	29.7	30.7	31.7	32.4	33.3	33.9	34.8	36.4	382
9.9	10.5	10.8	11.1	11.4	11.7	12.1	12.5	12.8	13.1	13.4	13.7	14.3	
-6.6	-5.1	-4.3	-3.8	-3.1	-2.5	-1.7	-1.0	-0.5	0.2	0.6	1.3	2.5	383
-2.6	-2.0	-1.7	-1.5	-1.2	-1.0	-0.7	-0.4	-0.2	0.1	0.2	0.5	1.0	
53.1	55.5	56.8	57.6	58.9	60.0	61.4	62.9	64.0	65.5	66.5	67.9	70.4	384
20.9	21.9	22.4	22.7	23.2	23.6	24.2	24.8	25.2	25.8	26.2	26.7	27.7	
57.7	59.9	61.1	62.0	63.3	64.4	65.8	67.3	68.5	69.9	70.9	72.3	74.9	385
22.7	23.6	24.1	24.4	24.9	25.3	25.9	26.5	27.0	27.5	27.9	28.5	29.5	
-38.3	-36.6	-35.7	-35.0	-34.1	-33.4	-32.5	-31.6	-30.9	-30.1	-29.5	-28.7	-27.0	386
-15.1	-14.4	-14.0	-13.8	-13.4	-13.2	-12.8	-12.4	-12.2	-11.8	-11.6	-11.3	-10.6	
26.1	27.4	28.1	28.6	29.3	29.9	30.7	31.6	32.2	33.0	33.6	34.4	36.0	387
10.3	10.8	11.1	11.2	11.5	11.8	12.1	12.4	12.7	13.0	13.2	13.6	14.2	
30.3	31.7	32.4	32.9	33.7	34.3	35.1	36.0	36.6	37.5	38.1	39.0	40.8	388
11.9	12.5	12.8	13.0	13.3	13.5	13.8	14.2	14.4	14.8	15.0	15.4	16.1	
54.9	57.2	58.5	59.3	60.7	61.7	63.2	64.7	65.9	67.3	68.3	69.8	72.6	389
21.6	22.5	23.0	23.4	23.9	24.3	24.9	25.5	25.9	26.5	26.9	27.5	28.6	
59.2	61.6	62.9	63.7	65.1	66.2	67.6	69.1	70.2	71.7	72.7	74.3	77.3	390
23.3	24.2	24.7	25.1	25.6	26.0	26.6	27.2	27.7	28.2	28.6	29.2	30.4	

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XXXIX
STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR COMPUTED VARIABLES

VARIABLE	MEAN	SE (M)	ST DEV (SD)	SE	COEF VAR	SAMPLE SIZE	SYMM ETRY	KURT OSIS
391 ANKLE HEIGHT MINUS LATERAL MALLEOLUS HEIGHT	4.41 1.74	0.03 0.01	1.35 0.53	0.02 0.01	30.7 30.7	1905 1905	0.32 0.32	2.58 2.58
392 SITTING HEIGHT MINUS EYE HEIGHT, SITTING	11.90 4.68	0.03 0.01	1.19 0.47	0.02 0.01	10.0 10.0	1905 1905	0.16 0.16	3.18 3.18
393 SITTING HEIGHT MINUS MIDSHOULDER HEIGHT, SITTING	27.60 10.87	0.03 0.01	1.50 0.59	0.02 0.01	5.5 5.5	1905 1905	-0.07 -0.07	3.09 3.09
394 SITTING HEIGHT MINUS WAIST HEIGHT, SITTING	62.23 24.50	0.06 0.02	2.63 1.04	0.04 0.02	4.2 4.2	1905 1905	0.12 0.12	3.06 3.06
395 SITTING HEIGHT MINUS ELBOW REST HEIGHT	62.89 24.76	0.06 0.02	2.76 1.08	0.04 0.02	4.4 4.4	1905 1905	0.01 0.01	2.94 2.94
396 EYE HEIGHT, SITTING MINUS MIDSHOULDER HEIGHT, SITTING	15.71 6.18	0.04 0.02	1.67 0.66	0.03 0.01	10.7 10.7	1905 1905	-0.05 -0.05	2.95 2.95
397 EYE HEIGHT, SITTING MINUS WAIST HEIGHT, SITTING	50.34 19.82	0.06 0.02	2.51 0.99	0.04 0.02	5.0 5.0	1905 1905	0.11 0.11	3.28 3.28
398 EYE HEIGHT, SITTING MINUS ELBOW REST HEIGHT	51.00 20.08	0.06 0.02	2.65 1.04	0.04 0.02	5.2 5.2	1905 1905	-0.00 -0.00	3.09 3.09
399 MIDSHOULDER HGHT, SITTING MINUS WAIST HEIGHT, SITTING	34.63 13.63	0.05 0.02	2.22 0.87	0.04 0.01	6.4 6.4	1905 1905	0.23 0.23	3.09 3.09
400 MIDSHOULDER HGHT, SITTING MINUS ELBOW REST HEIGHT	35.29 13.89	0.05 0.02	2.16 0.85	0.04 0.01	6.1 6.1	1905 1905	0.09 0.09	3.09 3.09
401 WAIST HEIGHT, SITTING MINUS ELBOW REST HEIGHT	0.66 0.26	0.05 0.02	2.33 0.92	0.04 0.01	GT99 GT99	1905 1905	-0.07 -0.07	3.16 3.16
402 CALF CIRCUMFERENCE, RIGHT MINUS CALF CIRCUMFERENCE, LEFT	-0.09 -0.03	0.01 0.01	0.63 0.25	0.01 0.00	GT99 GT99	1905 1905	-0.02 -0.02	3.28 3.28
403 HUMERAL BREADTH, RIGHT MINUS HUMERAL BREADTH, LEFT	0.03 0.01	0.00 0.00	0.12 0.05	0.00 0.00	GT99 GT99	1905 1905	-0.28 -0.28	3.38 3.38
404 FEMORAL BREADTH, RIGHT MINUS FEMORAL BREADTH, LEFT	-0.02 -0.01	0.00 0.00	0.13 0.05	0.00 0.00	GT99 GT99	1905 1905	0.16 0.16	3.22 3.22
405 BICEPS CIRCUMFERENCE, FLEXED, RIGHT MINUS LEFT	0.26 0.10	0.02 0.01	0.77 0.30	0.01 0.00	GT99 GT99	1905 1905	-0.17 -0.17	3.06 3.06
406 BICEPS CIRCUMFERENCE, RELAXED RIGHT MINUS LEFT	-0.05 -0.02	0.02 0.01	0.74 0.29	0.01 0.00	GT99 GT99	1905 1905	-0.14 -0.14	3.19 3.19
407 STATURE, MAXIMUM MINUS STATURE	0.64 0.25	0.01 0.00	0.38 0.15	0.01 0.00	59.3 59.3	1905 1905	0.85 0.85	4.32 4.32
408 SITTING HEIGHT MINUS SITTING HEIGHT, RELAXED	1.32 0.52	0.02 0.01	0.82 0.32	0.01 0.01	61.7 61.7	1905 1905	1.26 1.26	5.08 5.08

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XXXIX
STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR COMPUTED VARIABLES

PERCENTILES													VAR NO
1ST	5TH	10TH	15TH	25TH	35TH	50TH	65TH	75TH	85TH	90TH	95TH	99TH	
2.0	2.4	2.7	3.0	3.4	3.8	4.3	4.9	5.3	5.9	6.2	6.8	7.7	391
0.8	0.9	1.1	1.2	1.3	1.5	1.7	1.9	2.1	2.3	2.5	2.7	3.0	
9.2	10.0	10.4	10.7	11.1	11.4	11.9	12.3	12.7	13.1	13.4	13.9	14.9	392
3.6	3.9	4.1	4.2	4.4	4.5	4.7	4.9	5.0	5.2	5.3	5.5	5.9	
23.8	25.0	25.7	26.1	26.6	27.1	27.6	28.2	28.6	29.1	29.5	30.1	31.2	393
9.4	9.9	10.1	10.3	10.5	10.7	10.9	11.1	11.3	11.5	11.6	11.8	12.3	
56.4	58.0	58.9	59.5	60.4	61.2	62.2	63.2	64.0	65.0	65.6	66.7	68.6	394
22.2	22.8	23.2	23.4	23.8	24.1	24.5	24.9	25.2	25.6	25.8	26.2	27.0	
56.6	58.4	59.3	60.0	61.0	61.8	62.9	64.0	64.8	65.8	66.4	67.4	69.3	395
22.3	23.0	23.4	23.6	24.0	24.3	24.8	25.2	25.5	25.9	26.2	26.5	27.3	
11.7	13.0	13.6	14.0	14.6	15.1	15.7	16.4	16.8	17.5	17.9	18.5	19.5	396
4.6	5.1	5.3	5.5	5.7	5.9	6.2	6.4	6.6	6.9	7.0	7.3	7.7	
44.7	46.3	47.2	47.8	48.7	49.4	50.3	51.3	52.0	52.9	53.5	54.5	56.5	397
17.6	18.2	18.6	18.8	19.2	19.4	19.8	20.2	20.5	20.8	21.1	21.5	22.2	
44.8	46.7	47.6	48.3	49.2	50.0	51.0	52.0	52.8	53.8	54.4	55.4	57.2	398
17.6	18.4	18.7	19.0	19.4	19.7	20.1	20.5	20.8	21.2	21.4	21.8	22.5	
29.8	31.1	31.8	32.3	33.1	33.7	34.6	35.4	36.1	36.9	37.5	38.4	40.1	399
11.8	12.2	12.5	12.7	13.0	13.3	13.6	13.9	14.2	14.5	14.8	15.1	15.8	
30.4	31.7	32.5	33.1	33.9	34.5	35.3	36.1	36.7	37.5	38.0	38.8	40.7	400
12.0	12.5	12.8	13.0	13.3	13.6	13.9	14.2	14.4	14.7	15.0	15.3	16.0	
-4.9	-3.2	-2.3	-1.7	-0.9	-0.2	0.7	1.6	2.2	3.1	3.6	4.4	5.9	401
-1.9	-1.3	-0.9	-0.7	-0.3	-0.1	0.3	0.6	0.9	1.2	1.4	1.7	2.3	
-1.6	-1.1	-0.9	-0.7	-0.5	-0.3	-0.1	0.1	0.3	0.5	0.7	0.9	1.5	402
-0.6	-0.4	-0.3	-0.3	-0.2	-0.1	-0.0	0.1	0.1	0.2	0.3	0.4	0.6	
-0.3	-0.2	-0.1	-0.1	-0.0	-0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.3	403
-0.1	-0.1	-0.1	-0.0	-0.0	-0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	
-0.3	-0.2	-0.2	-0.2	-0.1	-0.1	-0.0	0.0	0.1	0.1	0.1	0.2	0.3	404
-0.1	-0.1	-0.1	-0.1	-0.0	-0.0	-0.0	0.0	0.0	0.0	0.1	0.1	0.1	
-1.7	-1.1	-0.7	-0.5	-0.2	-0.0	0.3	0.6	0.8	1.0	1.2	1.5	2.0	405
-0.7	-0.4	-0.3	-0.2	-0.1	-0.0	0.1	0.2	0.3	0.4	0.5	0.6	0.8	
-1.9	-1.3	-1.0	-0.8	-0.5	-0.3	-0.0	0.2	0.4	0.7	0.9	1.1	1.6	406
-0.7	-0.5	-0.4	-0.3	-0.2	-0.1	-0.0	0.1	0.2	0.3	0.3	0.4	0.6	
0.1	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.9	1.0	1.1	1.4	1.8	407
0.0	0.1	0.1	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.5	0.5	0.7	
0.1	0.3	0.5	0.6	0.7	0.9	1.1	1.5	1.7	2.1	2.4	2.9	4.1	408
0.1	0.1	0.2	0.2	0.3	0.4	0.5	0.6	0.7	0.8	1.0	1.2	1.6	

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XXXIX
STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR COMPUTED VARIABLES

VARIABLE	MEAN	SE (M)	ST DEV	SE (SD)	COEF VAR	SAMPLE SIZE	SYMM ETRY	KURT OSIS
409 THUMB-TIP REACH EXTENDED MINUS THUMB-TIP REACH	9.70 3.82	0.09 0.04	4.05 1.59	0.07 0.03	41.7 41.7	1905 1905	0.45 0.45	3.08 3.08
410 INTERSCYE CURVATURE, MAXIMUM MINUS INTERSCYE CURVATURE	14.33 5.64	0.06 0.03	2.79 1.10	0.05 0.02	19.4 19.4	1905 1905	-0.06 -0.06	3.04 3.04
411 BICEPS CIRCUMFERENCE, RIGHT FLEXED MINUS RELAXED	1.18 0.47	0.01 0.01	0.57 0.22	0.01 0.00	47.9 47.9	1905 1905	0.22 0.22	3.29 3.29
412 BICEPS CIRCUMFERENCE, LEFT FLEXED MINUS RELAXED	0.88 0.34	0.01 0.00	0.53 0.21	0.01 0.00	61.0 61.0	1905 1905	0.39 0.39	3.06 3.06
413 FOREARM CIRCUMFERENCE, FLEXED MINUS RELAXED	1.50 0.59	0.01 0.01	0.56 0.22	0.01 0.00	37.3 37.3	1905 1905	0.23 0.23	2.99 2.99
414 VERTICAL TRUNK CIRCUM MINUS VERTICAL TRUNK CIRC, SITTING	4.36 1.72	0.06 0.02	2.53 1.00	0.04 0.02	58.1 58.1	1905 1905	0.44 0.44	3.41 3.41
415 ABDOMINAL EXTENSION CIRCUMFER MINUS THE SAME 'OFG'	-1.30 -0.51	0.09 0.04	3.68 1.45	0.07 0.03	GT99 GT99	1513 1513	-0.19 -0.19	3.95 3.95
416 ABDOMINAL EXTENSION DEPTH MINUS THE SAME 'OFG'	1.25 0.49	0.03 0.01	1.07 0.42	0.02 0.01	85.7 85.7	1513 1513	-0.16 -0.16	3.14 3.14
417 ABDOMINAL EXTENSION HEIGHT MINUS THE SAME 'OFG'	0.21 0.08	0.04 0.02	1.54 0.61	0.03 0.01	GT99 GT99	1513 1513	0.03 0.03	3.50 3.50
418 WAIST HEIGHT MINUS WAIST HEIGHT 'OFG'	-0.62 -0.24	0.03 0.01	1.29 0.51	0.02 0.01	GT99 GT99	1513 1513	0.02 0.02	3.57 3.57
419 WAIST BREADTH MINUS WAIST BREADTH 'OFG'	2.83 1.11	0.03 0.01	1.16 0.46	0.02 0.01	41.2 41.2	1513 1513	0.01 0.01	2.99 2.99
420 WAIST DEPTH MINUS WAIST DEPTH 'OFG'	1.47 0.58	0.02 0.01	0.85 0.34	0.02 0.01	57.8 57.8	1513 1513	-0.18 -0.18	3.40 3.40
421 WAIST CIRCUMFERENCE MINUS WAIST CIRCUMFERENCE 'OFG'	1.28 0.50	0.05 0.02	2.07 0.81	0.04 0.01	GT99 GT99	1513 1513	0.24 0.24	4.18 4.18
422 HIP CIRCUM 7'' BELOW WAIST MINUS THE SAME 'OFG'	0.23 0.09	0.04 0.02	1.60 0.63	0.03 0.01	GT99 GT99	1513 1513	-0.04 -0.04	3.07 3.07
423 HIP CIRCUM 9'' BELOW WAIST MINUS THE SAME 'OFG'	0.29 0.11	0.03 0.01	1.32 0.52	0.02 0.01	GT99 GT99	1513 1513	0.02 0.02	5.13 5.13
424 BUTTOCK CIRCUMFERENCE, SITTING MINUS THE SAME 'OFG'	0.69 0.27	0.05 0.02	1.93 0.76	0.04 0.01	GT99 GT99	1513 1513	0.07 0.07	3.61 3.61
425 HIP BREADTH MINUS HIP BREADTH 'OFG'	1.39 0.55	0.02 0.01	0.90 0.35	0.02 0.01	64.5 64.5	1513 1513	0.25 0.25	4.05 4.05
426 BUTTOCK DEPTH MINUS BUTTOCK DEPTH 'OFG'	-0.30 -0.12	0.02 0.01	0.93 0.37	0.02 0.01	GT99 GT99	1513 1513	-0.29 -0.29	3.46 3.46

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XXXIX
STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR COMPUTED VARIABLES

PERCENTILES													VAR NO
1ST	5TH	10TH	15TH	25TH	35TH	50TH	65TH	75TH	85TH	90TH	95TH	99TH	
1.9	3.8	4.9	5.6	6.8	7.8	9.3	11.0	12.3	14.1	15.3	17.1	20.3	409
0.7	1.5	1.9	2.2	2.7	3.1	3.7	4.3	4.8	5.5	6.0	6.7	8.0	
7.4	9.8	10.8	11.5	12.5	13.3	14.3	15.4	16.2	17.2	17.9	19.0	20.7	410
2.9	3.8	4.3	4.5	4.9	5.2	5.6	6.1	6.4	6.8	7.1	7.5	8.2	
-0.1	0.3	0.5	0.6	0.8	1.0	1.2	1.4	1.5	1.8	1.9	2.2	2.7	411
-0.0	0.1	0.2	0.2	0.3	0.4	0.5	0.5	0.6	0.7	0.8	0.8	1.1	
-0.1	0.1	0.2	0.3	0.5	0.6	0.8	1.1	1.2	1.4	1.6	1.8	2.2	412
-0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.4	0.5	0.6	0.6	0.7	0.9	
0.3	0.6	0.8	0.9	1.1	1.3	1.5	1.7	1.9	2.1	2.2	2.5	2.9	413
0.1	0.2	0.3	0.4	0.4	0.5	0.6	0.7	0.7	0.8	0.9	1.0	1.2	
-0.4	0.5	1.2	1.7	2.6	3.2	4.2	5.2	5.9	6.9	7.6	8.8	11.3	414
-0.1	0.2	0.5	0.7	1.0	1.3	1.7	2.0	2.3	2.7	3.0	3.5	4.5	
-11.5	-7.7	-6.0	-4.9	-3.5	-2.4	-1.1	0.1	1.0	2.2	3.0	4.3	7.4	415
-4.5	-3.0	-2.4	-1.9	-1.4	-1.0	-0.4	0.0	0.4	0.9	1.2	1.7	2.9	
-1.5	-0.6	-0.1	0.2	0.6	0.9	1.3	1.7	2.0	2.3	2.6	3.0	3.7	416
-0.6	-0.2	-0.0	0.1	0.2	0.3	0.5	0.7	0.8	0.9	1.0	1.2	1.5	
-3.6	-2.2	-1.6	-1.3	-0.8	-0.4	0.2	0.7	1.2	1.8	2.2	2.8	3.9	417
-1.4	-0.9	-0.6	-0.5	-0.3	-0.2	0.1	0.3	0.5	0.7	0.9	1.1	1.5	
-3.7	-2.7	-2.2	-1.9	-1.4	-1.1	-0.6	-0.1	0.2	0.7	1.0	1.5	2.7	418
-1.5	-1.1	-0.9	-0.8	-0.6	-0.4	-0.2	-0.1	0.1	0.3	0.4	0.6	1.1	
-0.0	0.9	1.4	1.6	2.1	2.4	2.8	3.3	3.6	4.0	4.3	4.8	5.5	419
-0.0	0.4	0.5	0.6	0.8	0.9	1.1	1.3	1.4	1.6	1.7	1.9	2.2	
-0.7	0.0	0.4	0.6	0.9	1.2	1.5	1.8	2.0	2.3	2.5	2.9	3.4	420
-0.3	0.0	0.2	0.2	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.3	
-3.7	-2.0	-1.3	-0.8	-0.0	0.5	1.2	2.0	2.6	3.3	3.8	4.6	6.2	421
-1.5	-0.8	-0.5	-0.3	-0.0	0.2	0.5	0.8	1.0	1.3	1.5	1.8	2.5	
-3.6	-2.5	-1.9	-1.4	-0.8	-0.3	0.3	0.9	1.3	1.8	2.2	2.8	4.1	422
-1.4	-1.0	-0.7	-0.6	-0.3	-0.1	0.1	0.3	0.5	0.7	0.9	1.1	1.6	
-3.2	-1.9	-1.3	-1.0	-0.5	-0.1	0.3	0.7	1.1	1.5	1.8	2.4	3.6	423
-1.3	-0.7	-0.5	-0.4	-0.2	-0.0	0.1	0.3	0.4	0.6	0.7	0.9	1.4	
-4.1	-2.5	-1.7	-1.2	-0.5	-0.0	0.7	1.3	1.9	2.6	3.1	3.9	5.8	424
-1.6	-1.0	-0.7	-0.5	-0.2	-0.0	0.3	0.5	0.7	1.0	1.2	1.5	2.3	
-0.7	-0.1	0.3	0.5	0.8	1.1	1.4	1.7	1.9	2.2	2.5	2.9	4.0	425
-0.3	-0.0	0.1	0.2	0.3	0.4	0.5	0.7	0.8	0.9	1.0	1.1	1.6	
-2.7	-1.9	-1.5	-1.2	-0.9	-0.6	-0.3	0.1	0.3	0.6	0.9	1.2	1.7	426
-1.1	-0.7	-0.6	-0.5	-0.3	-0.2	-0.1	0.0	0.1	0.3	0.3	0.5	0.7	

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XXXIX
STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR COMPUTED VARIABLES

VARIABLE	MEAN	SE (M)	ST DEV	SE (SD)	COEF VAR	SAMPLE SIZE	SYMM ETRY	KURT OSIS
427 THIGH-TO-THIGH BREADTH MINUS THIGH-TO-THIGH BREADTH 'DFG'	1.09 0.43	0.03 0.01	1.08 0.43	0.02 0.01	99.2 99.2	1513 1513	0.18 0.18	3.40 3.40
428 TRAGION TO ECTOCANTHUS DISTANCE	6.29 2.48	0.01 0.00	0.49 0.19	0.01 0.00	7.8 7.8	1905 1905	0.23 0.23	3.53 3.53
429 TRAGION TO PRONASALE DISTANCE	11.24 4.43	0.02 0.01	0.68 0.27	0.01 0.00	6.0 6.0	1905 1905	0.06 0.06	3.06 3.06
430 TRAGION TO SUBNASALE DISTANCE	10.05 3.96	0.02 0.01	0.66 0.26	0.01 0.00	6.5 6.5	1905 1905	0.09 0.09	2.95 2.95
431 TRAGION TO MOUTH OPENING DISTANCE	10.50 4.13	0.02 0.01	0.71 0.28	0.01 0.00	6.7 6.7	1905 1905	0.14 0.14	3.13 3.13
432 TRAGION TO MENTON DISTANCE	12.26 4.83	0.02 0.01	0.74 0.29	0.01 0.00	6.0 6.0	1905 1905	0.13 0.13	3.14 3.14
433 ECTOCANTHUS TO PRONASALE DISTANCE	5.71 2.25	0.01 0.00	0.54 0.21	0.01 0.00	9.4 9.4	1905 1905	0.02 0.02	3.17 3.17
434 ECTOCANTHUS TO SUBNASALE DISTANCE	5.33 2.10	0.01 0.00	0.48 0.19	0.01 0.00	8.9 8.9	1905 1905	0.10 0.10	3.13 3.13
435 ECTOCANTHUS TO MOUTH OPENING DISTANCE	6.77 2.66	0.01 0.00	0.53 0.21	0.01 0.00	7.8 7.8	1905 1905	0.06 0.06	3.27 3.27
436 ECTOCANTHUS TO MENTON DISTANCE	10.35 4.08	0.01 0.01	0.63 0.25	0.01 0.00	6.1 6.1	1905 1905	0.02 0.02	3.11 3.11
437 PRONASALE TO SUBNASALE DISTANCE	1.95 0.77	0.01 0.00	0.34 0.13	0.01 0.00	17.4 17.4	1905 1905	-0.13 -0.13	3.28 3.28
438 PRONASALE TO MOUTH OPENING DISTANCE	3.64 1.43	0.01 0.00	0.46 0.18	0.01 0.00	12.6 12.6	1905 1905	0.05 0.05	3.03 3.03
439 PRONASALE TO MENTON DISTANCE	7.77 3.06	0.02 0.01	0.70 0.27	0.01 0.00	9.0 9.0	1905 1905	-0.02 -0.02	2.89 2.89
440 SUBNASALE TO MOUTH OPENING DISTANCE	1.98 0.78	0.01 0.00	0.36 0.14	0.01 0.00	18.3 18.3	1905 1905	0.25 0.25	3.25 3.25
441 SUBNASALE TO MENTON DISTANCE	6.19 2.44	0.01 0.01	0.57 0.22	0.01 0.00	9.1 9.1	1905 1905	-0.04 -0.04	3.04 3.04
442 MOUTH OPENING TO MENTON DISTANCE	4.26 1.68	0.01 0.00	0.51 0.20	0.01 0.00	12.0 12.0	1905 1905	-0.09 -0.09	2.97 2.97
443 SHOULDER CIRCUMFERENCE MINUS CHEST CIRCUMFERENCE AT SCYE	16.16 6.36	0.06 0.02	2.49 0.98	0.04 0.02	15.4 15.4	1905 1905	-0.25 -0.25	3.36 3.36
444 SHOULDER CIRCUMFERENCE MINUS BUST CIRCUMFERENCE	10.69 4.21	0.08 0.03	3.38 1.33	0.05 0.02	31.7 31.7	1905 1905	-0.42 -0.42	3.72 3.72

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XXXIX
STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR COMPUTED VARIABLES

PERCENTILES													VAR
1ST	5TH	10TH	15TH	25TH	35TH	50TH	65TH	75TH	85TH	90TH	95TH	99TH	NO
-1.4	-0.7	-0.3	-0.0	0.4	0.7	1.1	1.5	1.8	2.2	2.4	2.9	4.0	427
-0.6	-0.3	-0.1	-0.0	0.2	0.3	0.4	0.6	0.7	0.8	1.0	1.1	1.6	
5.1	5.5	5.7	5.8	6.0	6.1	6.3	6.5	6.6	6.8	6.9	7.1	7.6	428
2.0	2.2	2.2	2.3	2.4	2.4	2.5	2.5	2.6	2.7	2.7	2.8	3.0	
9.7	10.1	10.4	10.5	10.8	11.0	11.2	11.5	11.7	11.9	12.1	12.4	12.9	429
3.8	4.0	4.1	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9	5.1	
8.5	9.0	9.2	9.4	9.6	9.8	10.0	10.3	10.5	10.7	10.9	11.2	11.6	430
3.4	3.5	3.6	3.7	3.8	3.9	4.0	4.1	4.1	4.2	4.3	4.4	4.5	
8.9	9.4	9.6	9.8	10.0	10.2	10.5	10.7	11.0	11.2	11.4	11.7	12.2	431
3.5	3.7	3.8	3.8	3.9	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.8	
10.6	11.1	11.3	11.5	11.8	12.0	12.2	12.5	12.7	13.0	13.2	13.5	14.1	432
4.2	4.4	4.5	4.5	4.6	4.7	4.8	4.9	5.0	5.1	5.2	5.3	5.5	
4.5	4.8	5.0	5.2	5.4	5.5	5.7	5.9	6.1	6.3	6.4	6.6	7.0	433
1.8	1.9	2.0	2.0	2.1	2.2	2.2	2.3	2.4	2.5	2.5	2.6	2.7	
4.3	4.6	4.7	4.8	5.0	5.1	5.3	5.5	5.6	5.8	5.9	6.1	6.5	434
1.7	1.8	1.9	1.9	2.0	2.0	2.1	2.2	2.2	2.3	2.3	2.4	2.6	
5.6	5.9	6.1	6.2	6.4	6.6	6.8	7.0	7.1	7.3	7.4	7.6	8.1	435
2.2	2.3	2.4	2.5	2.5	2.6	2.7	2.7	2.8	2.9	2.9	3.0	3.2	
8.8	9.3	9.5	9.7	9.9	10.1	10.4	10.6	10.8	11.0	11.2	11.4	11.8	436
3.5	3.7	3.8	3.8	3.9	4.0	4.1	4.2	4.2	4.3	4.4	4.5	4.7	
1.1	1.4	1.5	1.6	1.7	1.8	2.0	2.1	2.2	2.3	2.4	2.5	2.7	437
0.4	0.5	0.6	0.6	0.7	0.7	0.8	0.8	0.9	0.9	0.9	1.0	1.1	
2.6	2.9	3.0	3.2	3.3	3.5	3.6	3.8	4.0	4.1	4.2	4.4	4.7	438
1.0	1.1	1.2	1.2	1.3	1.4	1.4	1.5	1.6	1.6	1.7	1.7	1.9	
6.1	6.6	6.9	7.0	7.3	7.5	7.8	8.0	8.2	8.5	8.7	8.9	9.4	439
2.4	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.2	3.3	3.4	3.5	3.7	
1.2	1.4	1.5	1.6	1.7	1.8	2.0	2.1	2.2	2.3	2.4	2.6	2.9	440
0.5	0.5	0.6	0.6	0.7	0.7	0.8	0.8	0.9	0.9	1.0	1.0	1.1	
4.8	5.3	5.5	5.6	5.8	6.0	6.2	6.4	6.6	6.8	6.9	7.1	7.5	441
1.9	2.1	2.2	2.2	2.3	2.4	2.4	2.5	2.6	2.7	2.7	2.8	3.0	
3.0	3.4	3.6	3.7	3.9	4.1	4.3	4.5	4.6	4.8	4.9	5.1	5.4	442
1.2	1.3	1.4	1.5	1.5	1.6	1.7	1.8	1.8	1.9	1.9	2.0	2.1	
9.4	11.9	13.0	13.7	14.6	15.3	16.3	17.2	17.8	18.7	19.2	20.1	21.8	443
3.7	4.7	5.1	5.4	5.8	6.0	6.4	6.8	7.0	7.3	7.6	7.9	8.6	
1.4	4.8	6.3	7.3	8.6	9.6	10.9	12.1	13.0	14.1	14.8	15.9	18.0	444
0.5	1.9	2.5	2.9	3.4	3.8	4.3	4.8	5.1	5.5	5.8	6.3	7.1	

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XXXIX
STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR COMPUTED VARIABLES

VARIABLE	MEAN	SE (M)	ST DEV (SD)	SE	COEF VAR	SAMPLE SIZE	SYMM ETRY	KURT OSIS
445 SHOULDER CIRCUMFERENCE MINUS CHEST CIRCUMFERENCE BELOW BUST	26.09 10.27	0.07 0.03	3.18 1.25	0.05 0.02	12.2 12.2	1905 1905	-0.16 -0.16	3.29 3.29
446 SHOULDER CIRCUMFERENCE MINUS WAIST CIRCUMFERENCE	33.21 13.07	0.08 0.03	3.57 1.41	0.06 0.02	10.8 10.8	1905 1905	-0.33 -0.33	3.65 3.65
447 SHOULDER CIRCUMFERENCE MINUS ABDOMINAL EXTENSION CIRCUMFER	14.77 5.81	0.12 0.05	5.18 2.04	0.08 0.03	35.1 35.1	1905 1905	-0.24 -0.24	3.38 3.38
448 SHOULDER CIRCUMFERENCE MINUS HIP CIRC 7'' BELOW WAIST LVL	6.78 2.67	0.09 0.03	3.86 1.52	0.06 0.02	57.0 57.0	1905 1905	-0.17 -0.17	3.30 3.30
449 SHOULDER CIRCUMFERENCE MINUS HIP CIRC 9'' BELOW WAIST LVL	5.14 2.02	0.10 0.04	4.27 1.68	0.07 0.03	83.1 83.1	1905 1905	-0.14 -0.14	3.22 3.22
450 SHOULDER CIRCUMFERENCE MINUS BUTTOCK CIRCUMFERENCE, SITTING	0.42 0.16	0.10 0.04	4.17 1.64	0.07 0.03	GT99 GT99	1905 1905	-0.33 -0.33	3.44 3.44
451 CHEST CIRCUMFER AT SCYE MINUS BUST CIRCUMFERENCE	-5.48 -2.16	0.06 0.02	2.62 1.03	0.04 0.02	47.8 47.8	1905 1905	-0.24 -0.24	3.25 3.25
452 CHEST CIRCUMFER AT SCYE MINUS CHEST CIRCUMFERENCE BELOW BUST	9.92 3.91	0.07 0.03	2.94 1.16	0.05 0.02	29.7 29.7	1905 1905	0.05 0.05	3.38 3.38
453 CHEST CIRCUMFER AT SCYE MINUS WAIST CIRCUMFERENCE	17.05 6.71	0.08 0.03	3.43 1.35	0.06 0.02	20.1 20.1	1905 1905	-0.09 -0.09	3.29 3.29
454 CHEST CIRCUMFER AT SCYE MINUS ABDOMINAL EXTENSION CIRCUMFER	-1.40 -0.55	0.12 0.05	5.10 2.01	0.08 0.03	GT99 GT99	1905 1905	-0.10 -0.10	3.19 3.19
455 CHEST CIRCUMFER AT SCYE MINUS HIP CIRC 7'' BELOW WAIST LVL	-9.39 -3.70	0.09 0.04	3.97 1.56	0.06 0.03	42.3 42.3	1905 1905	-0.10 -0.10	3.28 3.28
456 CHEST CIRCUMFER AT SCYE MINUS HIP CIRC 9 '' BELOW WAIST LV	-11.02 -4.34	0.10 0.04	4.45 1.75	0.07 0.03	40.4 40.4	1905 1905	-0.09 -0.09	3.15 3.15
457 CHEST CIRCUMFER AT SCYE MINUS BUTTOCK CIRCUMFERENCE, SITTING	-15.75 -6.20	0.10 0.04	4.24 1.67	0.07 0.03	26.9 26.9	1905 1905	-0.26 -0.26	3.39 3.39
458 BUST CIRCUMFERENCE MINUS CHEST CIRCUMFERENCE BELOW BUST	15.40 6.06	0.07 0.03	3.17 1.25	0.05 0.02	20.6 20.6	1905 1905	0.48 0.48	3.45 3.45
459 BUST CIRCUMFERENCE MINUS WAIST CIRCUMFERENCE	22.52 8.87	0.08 0.03	3.58 1.41	0.06 0.02	15.9 15.9	1905 1905	0.06 0.06	3.24 3.24
460 BUST CIRCUMFERENCE MINUS ABDOMINAL EXTENSION CIRCUMFER	4.08 1.61	0.11 0.04	4.94 1.94	0.08 0.03	GT99 GT99	1905 1905	-0.00 -0.00	3.08 3.08
461 BUST CIRCUMFERENCE MINUS HIP CIRC 7'' BELOW WAIST LVL	-3.91 -1.54	0.10 0.04	4.21 1.66	0.07 0.03	GT99 GT99	1905 1905	0.13 0.13	3.16 3.16
462 BUST CIRCUMFERENCE MINUS HIP CIRC 9 '' BELOW WAIST LV	-5.55 -2.18	0.11 0.04	4.74 1.86	0.08 0.03	85.4 85.4	1905 1905	0.12 0.12	3.16 3.16

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XXXIX
STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR COMPUTED VARIABLES

PERCENTILES													VAR
1ST	5TH	10TH	15TH	25TH	35TH	50TH	65TH	75TH	85TH	90TH	95TH	99TH	NO
18.1	20.8	22.1	22.9	24.1	25.0	26.1	27.3	28.2	29.3	30.1	31.3	33.6	445
7.1	8.2	8.7	9.0	9.5	9.8	10.3	10.8	11.1	11.5	11.8	12.3	13.2	
23.9	27.3	28.8	29.7	31.0	32.0	33.3	34.6	35.6	36.8	37.7	38.9	41.0	446
9.4	10.7	11.3	11.7	12.2	12.6	13.1	13.6	14.0	14.5	14.8	15.3	16.1	
1.8	5.9	8.1	9.5	11.4	13.0	15.0	16.9	18.3	20.0	21.2	22.9	26.2	447
0.7	2.3	3.2	3.7	4.5	5.1	5.9	6.6	7.2	7.9	8.3	9.0	10.3	
-2.6	0.3	1.8	2.8	4.3	5.4	6.9	8.3	9.4	10.7	11.6	13.0	15.6	448
-1.0	0.1	0.7	1.1	1.7	2.1	2.7	3.3	3.7	4.2	4.6	5.1	6.1	
-5.3	-2.0	-0.4	0.7	2.3	3.6	5.2	6.8	8.1	9.6	10.6	12.0	14.7	449
-2.1	-0.8	-0.1	0.3	0.9	1.4	2.1	2.7	3.2	3.8	4.2	4.7	5.8	
-10.7	-6.8	-5.0	-3.8	-2.2	-0.9	0.6	2.1	3.2	4.6	5.5	6.9	9.3	450
-4.2	-2.7	-2.0	-1.5	-0.9	-0.4	0.2	0.8	1.3	1.8	2.2	2.7	3.7	
-12.3	-9.9	-8.8	-8.1	-7.1	-6.3	-5.4	-4.4	-3.7	-2.9	-2.2	-1.3	0.5	451
-4.8	-3.9	-3.5	-3.2	-2.8	-2.5	-2.1	-1.7	-1.5	-1.1	-0.9	-0.5	0.2	
2.8	5.1	6.2	7.0	8.0	8.8	9.9	11.0	11.8	12.9	13.6	14.8	17.2	452
1.1	2.0	2.5	2.7	3.2	3.5	3.9	4.3	4.6	5.1	5.4	5.8	6.8	
8.7	11.4	12.7	13.6	14.8	15.8	17.0	18.3	19.3	20.6	21.4	22.7	25.0	453
3.4	4.5	5.0	5.4	5.8	6.2	6.7	7.2	7.6	8.1	8.4	8.9	9.8	
-13.7	-9.9	-7.9	-6.6	-4.7	-3.3	-1.3	0.6	2.0	3.8	5.0	6.9	10.6	454
-5.4	-3.9	-3.1	-2.6	-1.9	-1.3	-0.5	0.2	0.8	1.5	2.0	2.7	4.2	
-18.6	-16.0	-14.5	-13.5	-12.0	-10.8	-9.3	-7.8	-6.7	-5.4	-4.5	-3.0	0.0	455
-7.3	-6.3	-5.7	-5.3	-4.7	-4.3	-3.7	-3.1	-2.7	-2.1	-1.8	-1.2	0.0	
-21.2	-18.6	-16.9	-15.7	-14.0	-12.6	-10.9	-9.2	-8.0	-6.5	-5.5	-4.0	-0.7	456
-8.4	-7.3	-6.7	-6.2	-5.5	-5.0	-4.3	-3.6	-3.2	-2.6	-2.2	-1.6	-0.3	
-26.8	-22.9	-21.1	-20.0	-18.4	-17.2	-15.6	-14.1	-12.9	-11.5	-10.5	-9.0	-6.2	457
-10.5	-9.0	-8.3	-7.9	-7.2	-6.8	-6.1	-5.5	-5.1	-4.5	-4.1	-3.6	-2.4	
8.9	10.7	11.6	12.2	13.2	14.0	15.1	16.3	17.3	18.7	19.6	21.0	23.7	458
3.5	4.2	4.6	4.8	5.2	5.5	6.0	6.4	6.8	7.3	7.7	8.3	9.3	
14.2	16.7	18.0	18.9	20.1	21.1	22.5	23.8	24.8	26.1	27.1	28.5	31.5	459
5.6	6.6	7.1	7.4	7.9	8.3	8.8	9.4	9.8	10.3	10.7	11.2	12.4	
-7.2	-4.0	-2.2	-1.1	0.7	2.2	4.1	6.0	7.4	9.2	10.4	12.2	15.5	460
-2.8	-1.6	-0.9	-0.4	0.3	0.8	1.6	2.4	2.9	3.6	4.1	4.8	6.1	
-13.5	-10.8	-9.3	-8.3	-6.8	-5.6	-4.0	-2.4	-1.2	0.4	1.5	3.1	6.4	461
-5.3	-4.2	-3.7	-3.3	-2.7	-2.2	-1.6	-0.9	-0.5	0.2	0.6	1.2	2.5	
-16.3	-13.3	-11.6	-10.5	-8.8	-7.4	-5.6	-3.8	-2.4	-0.7	0.5	2.3	6.0	462
-6.4	-5.2	-4.6	-4.1	-3.4	-2.9	-2.2	-1.5	-1.0	-0.3	0.2	0.9	2.4	

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XXXIX
STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR COMPUTED VARIABLES

VARIABLE	MEAN	SE (M)	ST DEV (SD)	SE	COEF VAR	SAMPLE SIZE	SYMM ETRY	KURT OSIS
463 BUST CIRCUMFERENCE MINUS BUTTOCK CIRCUMFERENCE, SITTING	-10.27 -4.04	0.10 0.04	4.43 1.75	0.07 0.03	43.2 43.2	1905 1905	-0.01 -0.01	3.29 3.29
464 CHEST CIRCUM BELOW BUST MINUS WAIST CIRCUMFERENCE	7.12 2.80	0.08 0.03	3.39 1.33	0.05 0.02	47.5 47.5	1905 1905	-0.07 -0.07	3.15 3.15
465 CHEST CIRCUM BELOW BUST MINUS ABDOMINAL EXTENSION CIRCUMFER	-11.32 -4.46	0.12 0.05	5.08 2.00	0.08 0.03	44.9 44.9	1905 1905	-0.15 -0.15	3.02 3.02
466 CHEST CIRCUM BELOW BUST MINUS HIP CIRC 7'' BELOW WAIST LVL	-19.31 -7.60	0.09 0.04	4.06 1.60	0.07 0.03	21.0 21.0	1905 1905	-0.02 -0.02	2.98 2.98
467 CHEST CIRCUM BELOW BUST MINUS HIP CIRC 9'' BELOW WAIST LVL	-20.95 -8.25	0.11 0.04	4.60 1.81	0.07 0.03	22.0 22.0	1905 1905	-0.02 -0.02	2.99 2.99
468 CHEST CIRCUM BELOW BUST MINUS BUTTOCK CIRCUMFERENCE, SITTING	-25.67 -10.11	0.10 0.04	4.36 1.71	0.07 0.03	17.0 17.0	1905 1905	-0.16 -0.16	3.02 3.02
469 WAIST CIRCUMFERENCE MINUS ABDOMINAL EXTENSION CIRCUMFER	-18.44 -7.26	0.10 0.04	4.29 1.69	0.07 0.03	23.3 23.3	1905 1905	-0.04 -0.04	3.51 3.51
470 WAIST CIRCUMFERENCE MINUS HIP CIRC 7'' BELOW WAIST LVL	-26.43 -10.41	0.08 0.03	3.50 1.38	0.06 0.02	13.2 13.2	1905 1905	0.10 0.10	3.65 3.65
471 WAIST CIRCUMFERENCE MINUS HIP CIRC 9'' BELOW WAIST LVL	-28.07 -11.05	0.10 0.04	4.31 1.70	0.07 0.03	15.4 15.4	1905 1905	0.25 0.25	3.77 3.77
472 WAIST CIRCUMFERENCE MINUS BUTTOCK CIRCUMFERENCE, SITTING	-32.79 -12.91	0.09 0.04	3.92 1.54	0.06 0.02	11.9 11.9	1905 1905	-0.06 -0.06	3.65 3.65
473 ABDOMINAL EXTENSION CIRC MINUS HIP CIRC 7'' BELOW WAIST LVL	-7.99 -3.15	0.09 0.04	4.11 1.62	0.07 0.03	51.4 51.4	1905 1905	-0.35 -0.35	3.16 3.16
474 ABDOMINAL EXTENSION CIRC MINUS HIP CIRC 9'' BELOW WAIST LVL	-9.63 -3.79	0.11 0.04	4.72 1.86	0.08 0.03	49.0 49.0	1905 1905	-0.19 -0.19	3.29 3.29
475 ABDOMINAL EXTENSION CIRC MINUS BUTTOCK CIRCUMFERENCE, SITTING	-14.35 -5.65	0.10 0.04	4.36 1.72	0.07 0.03	30.4 30.4	1905 1905	-0.36 -0.36	3.21 3.21
476 HIP CIRC 7'' BELOW WAIST MINUS HIP CIRC 9'' BELOW WAIST LVL	-1.64 -0.64	0.05 0.02	2.07 0.82	0.03 0.01	GT99 GT99	1905 1905	-0.26 -0.26	3.25 3.25
477 HIP CIRC 7'' BELOW WAIST MINUS BUTTOCK CIRCUMFERENCE, SITTING	-6.36 -2.50	0.05 0.02	2.20 0.87	0.04 0.01	34.6 34.6	1905 1905	-0.40 -0.40	3.33 3.33
478 HIP CIRC 9'' BELOW WAIST MINUS BUTTOCK CIRCUMFERENCE, SITTING	-4.72 -1.86	0.05 0.02	2.10 0.83	0.03 0.01	44.4 44.4	1905 1905	-0.32 -0.32	3.96 3.96
479 SCYE CIRCUMFERENCE MINUS AXILLARY ARM CIRCUMFERENCE	9.66 3.80	0.03 0.01	1.43 0.56	0.02 0.01	14.8 14.8	1905 1905	0.06 0.06	3.21 3.21
480 AXILLARY ARM CIRCUMFER MINUS BICEPS CIRC, RELAXED, RIGHT	1.83 0.72	0.02 0.01	1.08 0.43	0.02 0.01	59.3 59.3	1905 1905	0.22 0.22	3.69 3.69

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XXXIX
STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR COMPUTED VARIABLES

PERCENTILES													VAR NO
1ST	5TH	10TH	15TH	25TH	35TH	50TH	65TH	75TH	85TH	90TH	95TH	99TH	
-21.1	-17.8	-16.0	-14.8	-13.2	-11.9	-10.2	-8.6	-7.4	-5.9	-4.8	-3.1	0.7	463
-8.3	-7.0	-6.3	-5.8	-5.2	-4.7	-4.0	-3.4	-2.9	-2.3	-1.9	-1.2	0.3	
-0.7	1.5	2.8	3.6	4.9	5.9	7.2	8.4	9.4	10.6	11.4	12.6	15.1	464
-0.3	0.6	1.1	1.4	1.9	2.3	2.8	3.3	3.7	4.2	4.5	5.0	5.9	
-23.9	-20.0	-17.9	-16.6	-14.6	-13.1	-11.2	-9.3	-7.9	-6.1	-4.9	-3.2	0.3	465
-9.4	-7.9	-7.1	-6.5	-5.8	-5.2	-4.4	-3.6	-3.1	-2.4	-1.9	-1.2	0.1	
-29.0	-26.2	-24.6	-23.6	-22.1	-20.9	-19.3	-17.7	-16.5	-15.1	-14.1	-12.7	-9.8	466
-11.4	-10.3	-9.7	-9.3	-8.7	-8.2	-7.6	-7.0	-6.5	-5.9	-5.6	-5.0	-3.9	
-31.5	-28.7	-27.0	-25.8	-24.0	-22.7	-20.8	-19.1	-17.8	-16.2	-15.2	-13.5	-10.0	467
-12.4	-11.3	-10.6	-10.2	-9.5	-8.9	-8.2	-7.5	-7.0	-6.4	-6.0	-5.3	-3.9	
-36.2	-33.2	-31.5	-30.3	-28.5	-27.2	-25.5	-23.9	-22.7	-21.3	-20.3	-18.8	-15.6	468
-14.3	-13.1	-12.4	-11.9	-11.2	-10.7	-10.0	-9.4	-8.9	-8.4	-8.0	-7.4	-6.1	
-28.7	-25.4	-23.8	-22.8	-21.3	-20.1	-18.5	-16.9	-15.6	-14.0	-12.9	-11.3	-8.3	469
-11.3	-10.0	-9.4	-9.0	-8.4	-7.9	-7.3	-6.6	-6.1	-5.5	-5.1	-4.4	-3.3	
-34.9	-32.1	-30.8	-29.9	-28.7	-27.7	-26.5	-25.2	-24.2	-23.0	-22.1	-20.6	-17.6	470
-13.7	-12.6	-12.1	-11.8	-11.3	-10.9	-10.4	-9.9	-9.5	-9.0	-8.7	-8.1	-6.9	
-38.0	-34.9	-33.3	-32.3	-30.9	-29.7	-28.2	-26.6	-25.4	-23.8	-22.7	-20.8	-16.9	471
-14.9	-13.7	-13.1	-12.7	-12.2	-11.7	-11.1	-10.5	-10.0	-9.4	-8.9	-8.2	-6.7	
-42.3	-39.2	-37.7	-36.7	-35.3	-34.2	-32.8	-31.3	-30.3	-28.9	-27.9	-26.4	-23.1	472
-16.6	-15.4	-14.8	-14.4	-13.9	-13.5	-12.9	-12.3	-11.9	-11.4	-11.0	-10.4	-9.1	
-19.0	-15.3	-13.4	-12.2	-10.6	-9.3	-7.7	-6.2	-5.1	-3.8	-2.9	-1.7	0.7	473
-7.5	-6.0	-5.3	-4.8	-4.2	-3.7	-3.0	-2.4	-2.0	-1.5	-1.2	-0.7	0.3	
-21.7	-17.7	-15.7	-14.4	-12.6	-11.2	-9.4	-7.7	-6.5	-4.9	-3.8	-2.1	1.5	474
-8.5	-7.0	-6.2	-5.7	-5.0	-4.4	-3.7	-3.0	-2.6	-1.9	-1.5	-0.8	0.6	
-25.8	-22.1	-20.1	-18.9	-17.1	-15.7	-14.0	-12.5	-11.3	-10.0	-9.1	-7.7	-4.8	475
-10.2	-8.7	-7.9	-7.4	-6.7	-6.2	-5.5	-4.9	-4.5	-3.9	-3.6	-3.0	-1.9	
-7.1	-5.3	-4.4	-3.8	-2.9	-2.3	-1.5	-0.8	-0.2	0.4	0.9	1.6	3.0	476
-2.8	-2.1	-1.7	-1.5	-1.2	-0.9	-0.6	-0.3	-0.1	0.2	0.4	0.6	1.2	
-12.2	-10.3	-9.3	-8.6	-7.7	-7.0	-6.2	-5.4	-4.8	-4.2	-3.7	-3.1	-1.9	477
-4.8	-4.1	-3.7	-3.4	-3.0	-2.8	-2.4	-2.1	-1.9	-1.6	-1.5	-1.2	-0.7	
-10.3	-8.3	-7.4	-6.8	-6.0	-5.4	-4.6	-3.9	-3.4	-2.7	-2.2	-1.5	0.2	478
-4.0	-3.3	-2.9	-2.7	-2.4	-2.1	-1.8	-1.5	-1.3	-1.1	-0.9	-0.6	0.1	
6.4	7.3	7.8	8.2	8.7	9.1	9.7	10.2	10.6	11.1	11.5	12.0	13.2	479
2.5	2.9	3.1	3.2	3.4	3.6	3.8	4.0	4.2	4.4	4.5	4.7	5.2	
-0.7	0.1	0.5	0.8	1.1	1.4	1.8	2.2	2.5	2.9	3.2	3.6	4.7	480
-0.3	0.0	0.2	0.3	0.4	0.6	0.7	0.9	1.0	1.1	1.2	1.4	1.9	

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XXXIX
STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR COMPUTED VARIABLES

VARIABLE	MEAN	SE (M)	ST DEV (SD)	SE	COEF VAR	SAMPLE SIZE	SYMM ETRY	KURT OSIS
481 BICEPS, FLEXED, RIGHT MINUS ELBOW CIRCUMFERENCE, FLEXED	-0.18 -0.07	0.05 0.02	1.99 0.78	0.03 0.01	GT99 GT99	1905 1905	0.17 0.17	3.31 3.31
482 BICEPS, RELAXED, RIGHT MINUS FOREARM CIRCUMFERENCE, RELAXED	2.14 0.84	0.03 0.01	1.41 0.55	0.02 0.01	65.8 65.8	1905 1905	0.63 0.63	3.59 3.59
483 BICEPS, FLEXED, RIGHT MINUS FOREARM CIRCUMFERENCE, FLEXED	1.82 0.72	0.03 0.01	1.40 0.55	0.02 0.01	76.8 76.8	1905 1905	0.62 0.62	3.78 3.78
484 ELBOW CIRCUMFER, FLEXED MINUS FOREARM CIRCUMFERENCE, FLEXED	2.00 0.79	0.03 0.01	1.18 0.47	0.02 0.01	59.2 59.2	1905 1905	0.47 0.47	3.07 3.07
485 FOREARM CIRCUM, RELAXED MINUS WRIST CIRCUMFERENCE	8.51 3.35	0.02 0.01	1.01 0.40	0.02 0.01	11.9 11.9	1905 1905	0.33 0.33	3.28 3.28
486 CALF CIRCUMFERENCE, RIGHT MINUS ANKLE CIRCUMFERENCE	13.06 5.14	0.04 0.01	1.55 0.61	0.03 0.01	11.8 11.8	1905 1905	0.25 0.25	3.67 3.67
487 BIDELTICOID BREADTH MINUS BIACROMIAL BREADTH	6.03 2.37	0.04 0.02	1.86 0.73	0.03 0.01	30.8 30.8	1905 1905	0.31 0.31	3.19 3.19
488 BIACROMIAL BREADTH MINUS CHEST BREADTH	7.85 3.09	0.04 0.02	1.86 0.73	0.03 0.01	23.7 23.7	1905 1905	-0.21 -0.21	3.14 3.14
489 CHEST BREADTH MINUS WAIST BREADTH	3.87 1.52	0.04 0.02	1.69 0.66	0.03 0.01	43.6 43.6	1905 1905	0.10 0.10	3.07 3.07
490 CHEST BREADTH MINUS HIP BREADTH	-6.97 -2.75	0.05 0.02	2.06 0.81	0.03 0.01	29.5 29.5	1905 1905	0.00 0.00	3.16 3.16
491 WAIST BREADTH MINUS HIP BREADTH	-10.84 -4.27	0.04 0.02	1.93 0.76	0.03 0.01	17.8 17.8	1905 1905	0.05 0.05	3.54 3.54
492 CHEST DEPTH MINUS WAIST DEPTH	6.63 2.61	0.03 0.01	1.42 0.56	0.02 0.01	21.5 21.5	1905 1905	0.08 0.08	2.89 2.89
493 CHEST DEPTH MINUS ABDOMINAL EXTENSION DEPTH	2.75 1.08	0.04 0.01	1.54 0.61	0.03 0.01	56.1 56.1	1905 1905	-0.05 -0.05	3.29 3.29
494 CHEST DEPTH MINUS BUTTOCK DEPTH	2.49 0.98	0.04 0.01	1.58 0.62	0.03 0.01	63.6 63.6	1905 1905	0.05 0.05	3.21 3.21
495 WAIST DEPTH MINUS ABDOMINAL EXTENSION DEPTH	-3.88 -1.53	0.02 0.01	1.09 0.43	0.02 0.01	28.0 28.0	1905 1905	-0.12 -0.12	3.20 3.20
496 WAIST DEPTH MINUS BUTTOCK DEPTH	-4.14 -1.63	0.03 0.01	1.38 0.54	0.02 0.01	33.2 33.2	1905 1905	0.04 0.04	3.16 3.16
497 ABDOMINAL EXTENSION DEPTH MINUS BUTTOCK DEPTH	-0.26 -0.10	0.03 0.01	1.36 0.54	0.02 0.01	GT99 GT99	1905 1905	0.11 0.11	3.37 3.37
498 BIAURICULAR BREADTH MINUS HEAD BREADTH	1.32 0.52	0.02 0.01	0.97 0.38	0.02 0.01	73.5 73.5	1905 1905	0.14 0.14	2.56 2.56

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XXXIX
STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR COMPUTED VARIABLES

PERCENTILES													VAR
1ST	5TH	10TH	15TH	25TH	35TH	50TH	65TH	75TH	85TH	90TH	95TH	99TH	NO
-4.7	-3.4	-2.7	-2.2	-1.5	-1.0	-0.2	0.5	1.1	1.8	2.3	3.1	4.9	481
-1.8	-1.3	-1.1	-0.9	-0.6	-0.4	-0.1	0.2	0.4	0.7	0.9	1.2	1.9	
-0.5	0.1	0.5	0.7	1.1	1.5	2.0	2.5	3.0	3.6	4.0	4.7	6.2	482
-0.2	0.0	0.2	0.3	0.5	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.4	
-0.9	-0.3	0.1	0.4	0.8	1.2	1.7	2.2	2.6	3.2	3.6	4.3	5.9	483
-0.3	-0.1	0.1	0.2	0.3	0.5	0.7	0.9	1.0	1.3	1.4	1.7	2.3	
-0.3	0.3	0.6	0.8	1.2	1.5	1.9	2.4	2.7	3.2	3.6	4.1	5.1	484
-0.1	0.1	0.2	0.3	0.5	0.6	0.7	0.9	1.1	1.3	1.4	1.6	2.0	
6.4	6.9	7.2	7.5	7.8	8.1	8.5	8.9	9.2	9.5	9.8	10.2	11.1	485
2.5	2.7	2.8	2.9	3.1	3.2	3.3	3.5	3.6	3.8	3.9	4.0	4.4	
9.7	10.6	11.1	11.5	12.0	12.5	13.0	13.6	14.0	14.6	15.0	15.6	17.0	486
3.8	4.2	4.4	4.5	4.7	4.9	5.1	5.4	5.5	5.7	5.9	6.1	6.7	
2.2	3.2	3.7	4.1	4.7	5.2	5.9	6.7	7.2	7.9	8.4	9.2	10.8	487
0.9	1.2	1.5	1.6	1.9	2.1	2.3	2.6	2.8	3.1	3.3	3.6	4.3	
3.1	4.7	5.4	5.9	6.7	7.2	7.9	8.6	9.1	9.8	10.2	10.8	12.0	488
1.2	1.8	2.1	2.3	2.6	2.8	3.1	3.4	3.6	3.8	4.0	4.3	4.7	
-0.1	1.1	1.7	2.1	2.7	3.2	3.8	4.5	5.0	5.6	6.0	6.7	8.1	489
-0.0	0.4	0.7	0.8	1.1	1.3	1.5	1.8	2.0	2.2	2.4	2.6	3.2	
-11.8	-10.4	-9.6	-9.1	-8.4	-7.8	-7.0	-6.2	-5.6	-4.8	-4.3	-3.6	-2.3	490
-4.7	-4.1	-3.8	-3.6	-3.3	-3.1	-2.7	-2.4	-2.2	-1.9	-1.7	-1.4	-0.9	
-15.5	-14.0	-13.3	-12.8	-12.1	-11.5	-10.8	-10.1	-9.6	-8.9	-8.4	-7.6	-6.0	491
-6.1	-5.5	-5.2	-5.0	-4.8	-4.5	-4.3	-4.0	-3.8	-3.5	-3.3	-3.0	-2.4	
3.5	4.3	4.8	5.1	5.6	6.1	6.6	7.2	7.6	8.1	8.5	9.0	10.0	492
1.4	1.7	1.9	2.0	2.2	2.4	2.6	2.8	3.0	3.2	3.3	3.5	3.9	
-1.1	0.3	0.9	1.2	1.8	2.2	2.7	3.3	3.8	4.3	4.7	5.3	6.4	493
-0.4	0.1	0.3	0.5	0.7	0.9	1.1	1.3	1.5	1.7	1.9	2.1	2.5	
-1.4	-0.1	0.5	0.9	1.4	1.9	2.5	3.1	3.5	4.1	4.5	5.1	6.4	494
-0.5	-0.0	0.2	0.4	0.6	0.7	1.0	1.2	1.4	1.6	1.8	2.0	2.5	
-6.6	-5.7	-5.3	-5.0	-4.6	-4.3	-3.9	-3.5	-3.2	-2.8	-2.5	-2.1	-1.4	495
-2.6	-2.2	-2.1	-2.0	-1.8	-1.7	-1.5	-1.4	-1.2	-1.1	-1.0	-0.8	-0.5	
-7.3	-6.4	-5.9	-5.6	-5.1	-4.7	-4.1	-3.6	-3.2	-2.7	-2.4	-1.9	-0.9	496
-2.9	-2.5	-2.3	-2.2	-2.0	-1.8	-1.6	-1.4	-1.3	-1.1	-0.9	-0.7	-0.3	
-3.5	-2.5	-2.0	-1.6	-1.1	-0.8	-0.3	0.2	0.6	1.1	1.4	2.0	3.3	497
-1.4	-1.0	-0.8	-0.6	-0.4	-0.3	-0.1	0.1	0.2	0.4	0.6	0.8	1.3	
-0.5	-0.3	0.0	0.2	0.6	0.9	1.3	1.7	2.0	2.4	2.6	2.9	3.6	498
-0.2	-0.1	0.0	0.1	0.2	0.4	0.5	0.7	0.8	0.9	1.0	1.1	1.4	

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XXXIX
STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR COMPUTED VARIABLES

VARIABLE	MEAN	SE (M)	ST DEV (SD)	SE	COEF VAR	SAMPLE SIZE	SYMM ETRY	KURT OSIS
499 HEAD BREADTH MINUS BITRAGION BREADTH	1.63 0.64	0.01 0.00	0.50 0.20	0.01 0.00	31.0 31.0	1905 1905	-0.06 -0.06	3.43 3.43
500 HEAD BREADTH MINUS BIZYGOMATIC BREADTH	1.62 0.64	0.01 0.01	0.59 0.23	0.01 0.00	36.4 36.4	1905 1905	0.17 0.17	3.42 3.42
501 HEAD BREADTH MINUS BIGONIAL BREADTH	4.33 1.70	0.02 0.01	0.67 0.26	0.01 0.00	15.4 15.4	1905 1905	-0.12 -0.12	3.11 3.11
502 HEAD BREADTH MINUS BIOCLULAR BREADTH	4.84 1.91	0.02 0.01	0.69 0.27	0.01 0.00	14.2 14.2	1905 1905	-0.15 -0.15	2.98 2.98
503 BITRAGION BREADTH MINUS BIZYGOMATIC BREADTH	-0.01 -0.00	0.01 0.00	0.41 0.16	0.01 0.00	GT99 GT99	1905 1905	0.97 0.97	4.59 4.59
504 BITRAGION BREADTH MINUS BIGONIAL BREADTH	2.70 1.06	0.01 0.00	0.52 0.20	0.01 0.00	19.2 19.2	1905 1905	0.23 0.23	3.09 3.09
505 BITRAGION BREADTH MINUS BIOCLULAR BREADTH	3.22 1.27	0.01 0.01	0.56 0.22	0.01 0.00	17.3 17.3	1905 1905	0.02 0.02	2.95 2.95
506 BIZYGOMATIC BREADTH MINUS BIGONIAL BREADTH	2.71 1.07	0.01 0.00	0.53 0.21	0.01 0.00	19.6 19.6	1905 1905	0.01 0.01	3.28 3.28
507 BIZYGOMATIC BREADTH MINUS BIOCLULAR BREADTH	3.23 1.27	0.01 0.01	0.58 0.23	0.01 0.00	17.9 17.9	1905 1905	-0.12 -0.12	3.00 3.00
508 BIGONIAL BREADTH MINUS BIOCLULAR BREADTH	0.51 0.20	0.01 0.01	0.57 0.23	0.01 0.00	GT99 GT99	1905 1905	-0.08 -0.08	3.04 3.04
509 FOREARM-HAND LENGTH (RADIALE- STYLION PLUS HAND LENGTH)	41.77 16.44	0.05 0.02	2.00 0.79	0.03 0.01	4.8 4.8	1905 1905	0.19 0.19	3.00 3.00
510 BUTTOCK-KNEE LENGTH MINUS BUTTOCK POPLITEAL LENGTH	9.72 3.83	0.03 0.01	1.40 0.55	0.02 0.01	14.4 14.4	1905 1905	0.27 0.27	3.13 3.13
511 SCYE TO ELBOW LENGTH (SLEEVE LENGTH SEGMENT)	32.95 12.97	0.05 0.02	2.02 0.79	0.03 0.01	6.1 6.1	1905 1905	-0.01 -0.01	3.15 3.15
512 SCYE TO WRIST LENGTH (SLEEVE LENGTH SEGMENT)	59.22 23.31	0.07 0.03	2.94 1.16	0.05 0.02	5.0 5.0	1905 1905	0.09 0.09	3.16 3.16
513 ELBOW TO WRIST LENGTH (SLEEVE LENGTH SEGMENT)	26.27 10.34	0.03 0.01	1.37 0.54	0.02 0.01	5.2 5.2	1905 1905	0.17 0.17	3.11 3.11
514 FRONT CURVATURE (BUST CIRCUMFE RENCE MINUS BACK CURVATURE)	47.58 18.73	0.10 0.04	4.48 1.76	0.07 0.03	9.4 9.4	1905 1905	0.44 0.44	3.64 3.64

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XXXIX
STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR COMPUTED VARIABLES

PERCENTILES													VAR
1ST	5TH	10TH	15TH	25TH	35TH	50TH	65TH	75TH	85TH	90TH	95TH	99TH	NO
C.4	0.8	1.0	1.1	1.3	1.4	1.6	1.8	2.0	2.1	2.3	2.5	2.9	499
0.1	0.3	0.4	0.4	0.5	0.6	0.6	0.7	0.8	0.8	0.9	1.0	1.1	
C.2	0.7	0.9	1.0	1.2	1.4	1.6	1.8	2.0	2.2	2.4	2.6	3.1	500
0.1	0.3	0.4	0.4	0.5	0.5	0.6	0.7	0.8	0.9	0.9	1.0	1.2	
2.7	3.2	3.5	3.6	3.9	4.1	4.3	4.6	4.8	5.0	5.2	5.4	5.8	501
1.1	1.3	1.4	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.0	2.1	2.3	
3.2	3.7	3.9	4.1	4.4	4.6	4.9	5.1	5.3	5.5	5.7	5.9	6.4	502
1.2	1.4	1.6	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.2	2.3	2.5	
-0.9	-0.5	-0.4	-0.4	-0.3	-0.2	-0.1	0.1	0.2	0.4	0.5	0.8	1.3	503
-0.3	-0.2	-0.2	-0.1	-0.1	-0.1	-0.0	0.0	0.1	0.2	0.2	0.3	0.5	
1.5	1.9	2.1	2.2	2.3	2.5	2.7	2.9	3.0	3.2	3.4	3.6	4.0	504
0.6	0.7	0.8	0.9	0.9	1.0	1.1	1.1	1.2	1.3	1.3	1.4	1.6	
1.9	2.3	2.5	2.6	2.8	3.0	3.2	3.4	3.6	3.8	3.9	4.1	4.5	505
0.8	0.9	1.0	1.0	1.1	1.2	1.3	1.4	1.4	1.5	1.5	1.6	1.8	
1.4	1.8	2.0	2.2	2.4	2.5	2.7	2.9	3.1	3.3	3.4	3.6	4.0	506
0.6	0.7	0.8	0.9	0.9	1.0	1.1	1.1	1.2	1.3	1.3	1.4	1.6	
1.8	2.2	2.5	2.6	2.8	3.0	3.2	3.5	3.6	3.8	3.9	4.1	4.6	507
0.7	0.9	1.0	1.0	1.1	1.2	1.3	1.4	1.4	1.5	1.6	1.6	1.8	
-0.9	-0.4	-0.2	-0.1	0.1	0.3	0.5	0.7	0.9	1.1	1.3	1.5	1.8	508
-0.3	-0.2	-0.1	-0.0	0.1	0.1	0.2	0.3	0.4	0.4	0.5	0.6	0.7	
37.5	38.6	39.2	39.7	40.4	40.9	41.7	42.5	43.1	43.8	44.4	45.2	46.8	509
14.8	15.2	15.4	15.6	15.9	16.1	16.4	16.7	17.0	17.3	17.5	17.8	18.4	
6.7	7.6	8.0	8.3	8.7	9.1	9.6	10.2	10.6	11.2	11.6	12.2	13.3	510
2.6	3.0	3.1	3.3	3.4	3.6	3.8	4.0	4.2	4.4	4.6	4.8	5.2	
28.1	29.6	30.4	30.9	31.6	32.2	33.0	33.7	34.3	35.0	35.5	36.3	37.6	511
11.0	11.7	12.0	12.2	12.5	12.7	13.0	13.3	13.5	13.8	14.0	14.3	14.8	
52.3	54.4	55.5	56.2	57.3	58.1	59.2	60.3	61.1	62.2	63.0	64.1	66.6	512
20.6	21.4	21.9	22.1	22.5	22.9	23.3	23.7	24.1	24.5	24.8	25.3	26.2	
23.2	24.1	24.5	24.9	25.3	25.7	26.2	26.8	27.2	27.7	28.0	28.6	29.8	513
9.1	9.5	9.7	9.8	10.0	10.1	10.3	10.5	10.7	10.9	11.0	11.3	11.7	
38.2	40.9	42.2	43.1	44.5	45.6	47.2	48.9	50.3	52.2	53.5	55.5	59.5	514
15.0	16.1	16.6	17.0	17.5	18.0	18.6	19.3	19.8	20.5	21.0	21.8	23.4	

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

A 'Locator' for tables XXXVIII and XXXIX appears as table XL. In this table, for each of the original variables, a list is given of all the indices and computed measurements in which it is involved. To find the location, for example, of the tailor's *rise*, that is, the difference between waist height and crotch height, we examine the listings for these two heights (variables 13 and 19) and find 361 as the only number listed for both; ergo, variable 361 which appears in table XL must be *rise* if *rise* has been included in the table. There are a few instances in which the same variables occur in more than one new variable, but this should create no serious problems in using this locator. Original variables not involved in any of the computed variables do not appear in this table. Computed variables used in calculating indices appear at the end of the table.

Statistics for computed variables and indices similar to those in tables XXXVIII and XXXIX can be approximated with varying degrees of accuracy on the basis of the means, standard deviations, and correlation coefficients of the measurements involved. Formulas for such approximations for use when direct computation cannot be carried out appear in appendix IV.

TABLE XL
'LOCATOR' FOR TABLES XXXVIII AND XXXIX

Following each variable name are the number of the indices (201-271: Table XXXVIII and the computed variables (301-514: table XXXIX) which involve the named variable.

- | | |
|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| 2. Weight: 201 | 21. Lateral Malleolus Height: 241, 313, 325, 336, 346, 355, 363, 370, 376, 381, 385, 388, 390, 391 |
| 7. Stature: 201, 203, 229-271, 301-313, 407 | 22. Sitting Height, Relaxed: 243, 408 |
| 8. Stature, Maximum: 407 | 23. Sitting Height: 203, 242, 392-395, 408 |
| 9. Cervicale Height: 229, 301, 314-325 | 24. Eye Height, Sitting: 244, 392, 396-398 |
| 10. Acromial Height: 230, 302, 314, 326-336 | 25. Midshoulder Height, Sitting: 245, 393, 396, 399, 400 |
| 11. Suprasternale Height: 231, 303, 315, 326, 337-346 | 26. Waist Height, Sitting: 246, 394, 397, 399, 401 |
| 12. Bustpoint Height: 232, 304, 316, 327, 337, 347-355 | 27. Elbow Rest Height: 247, 395, 398, 400, 401 |
| 13. Waist Height: 233, 305, 317, 328, 338, 347, 356-363, 418 | 28. Popliteal Height: 248 |
| 14. Abdominal Extension Height: 234, 306, 318, 329, 339, 348, 356, 364-370, 417 | 29. Buttock-Popliteal Length: 249, 510 |
| 15. Trochanteric Height: 235, 307, 319, 330, 340, 349, 357, 364, 371-376 | 30. Buttock-Knee Length: 250, 510 |
| 16. Buttock Height: 236, 308, 320, 331, 341, 350, 358, 365, 371, 377-381 | 31. Acromion-Radiale Length: 215, 218, 251 |
| 17. Gluteal Furrow Height: 237, 309, 321, 332, 342, 351, 359, 366, 372, 377, 382-385 | 32. Radiale-Stylian Length: 215, 216, 219, 252, 509 |
| 18. Tibiale Height: 238, 310, 322, 333, 343, 352, 360, 367, 373, 378, 382, 386-388 | 33. Thumb-Tip Reach: 258, 409 |
| 19. Crotch Height: 239, 311, 323, 334, 344, 353, 361, 368, 374, 379, 383, 386, 389, 390 | 34. Thumb-Tip Reach, Extended: 259, 409 |
| 20. Ankle Height: 240, 312, 324, 335, 345, 354, 362, 369, 375, 380, 384, 387, 389, 391 | 35. Overhead Reach: 260 |
| | 37. Shoulder Circumference: 261, 443-450 |
| | 38. Chest Circumference at Scye: 262, 443, 451-457 |
| | 39. Bust Circumference: 224, 227, 263, 444, 451, 458-463, 514 |
| | 40. Chest Circumference below Bust: 224, 264, 445, 452, 458, 464-468 |
| | 41. Waist Circumference: 228, 265, 421, 446, 453, 459, 464, 469-472 |

TABLE XL—(Continued)

42. Abdominal Extension Circumference: 266, 415, 447, 454, 460, 465, 469, 473-475
43. Hip Circumference—Seven Inches Below Waist Level: 267, 422, 448, 455, 461, 466, 470, 473, 476, 477
44. Hip Circumference—Nine Inches Below Waist Level: 268, 423, 449, 456, 462, 467, 471, 474, 476, 478
45. Upper Thigh Circumference: 221
47. Calf Circumference, Right: 221, 222, 402, 486
48. Calf Circumference, Left: 402
49. Ankle Circumference: 222, 486
50. Vertical Trunk Circumference: 269, 414
51. Vertical Trunk Circumference, Sitting: 270, 414
52. Buttock Circumference, Sitting: 271, 424, 450, 457, 463, 468, 472, 475, 477, 478
53. Scye Circumference: 479
54. Axillary Arm Circumference: 479, 480
55. Biceps Circumference, Relaxed, Right: 220, 406, 411, 480, 482
56. Biceps Circumference, Flexed, Right: 405, 411, 481, 483
57. Biceps Circumference, Relaxed, Left: 406, 412
58. Biceps Circumference, Flexed, Left: 405, 412
59. Elbow Circumference, Flexed: 481, 484
60. Forearm Circumference, Relaxed: 220, 413, 482, 485
61. Forearm Circumference, Flexed: 413, 483, 484
62. Wrist Circumference: 485
63. Biacromial Breadth: 212, 223, 487, 488
64. Bideltoid Breadth: 211, 223, 487
65. Chest Breadth: 209, 227, 488, 489, 490
66. Bustpoint to Bustpoint Breadth: 211
67. Waist Breadth: 210, 228, 419, 489, 491
68. Hip Breadth: 212, 425, 490, 491
69. Thigh-To-Thigh Breadth, Sitting: 427
70. Humeral Breadth, Right: 225, 403
71. Humeral Breadth, Left: 403
72. Femoral Breadth, Right: 225, 404
73. Femoral Breadth, Left: 404
74. Chest Depth: 209, 227, 492, 493, 494
75. Waist Depth: 210, 228, 420, 492, 495, 496
76. Abdominal Extension Depth: 416, 493, 495, 496
77. Buttock Depth: 426, 494, 496, 497
82. Interscye Curvature: 410
83. Interscye Curvature, Maximum: 410
84. Back Curvature: 514
88. Spine-To-Scye Length (Sleeve Length Segment): 511, 512
89. Spine-To-Elbow Length (Sleeve Length Segment): 511, 513
90. Spine-To-Wrist Length (Sleeve Length): 512, 513
91. Hand Length: 213, 216, 256, 509
92. Hand Breadth: 213
94. Foot Length: 214, 257
95. Foot Breadth: 214
96. Head Length: 202, 206, 226
97. Head Breadth: 202, 206, 208, 226, 498-502
98. Head Circumference: 226
99. Tragion To Top of Head: 206, 428-432
100. Ectocanthus To Top of Head: 428, 433-436
101. Pronasale To Top of Head: 429, 433, 437-439
102. Subnasale To Top of Head: 430, 434, 437, 440, 441
103. Stomion To Top of Head: 431, 435, 438, 440, 442
104. Menton To Top of Head: 432, 436, 439, 441, 442
105. Tragion to Wall: 428-432
106. Ectocanthus To Wall: 428, 433-436
107. Pronasale To Wall: 429, 433, 437-439
108. Subnasale To Wall: 430, 434, 437, 440, 441
109. Lip Protrusion To Wall: 431, 435, 438, 440, 442
110. Menton To Wall: 432, 436, 439, 441, 442
113. Biocular Breadth: 502, 505, 507, 508
114. Biauricular Breadth: 498
115. Bitragion Breadth: 499, 503, 504, 505
116. Bizygomatic Breadth: 204, 208, 500, 503, 506, 507
117. Bigonial Breadth: 501, 504, 506, 508
118. Nasal Breadth: 205
121. Menton-Sellion Length: 204
122. Subnasale-Sellion Length: 205

TABLE XL—(Continued)

123. Ear Length: 207	132. Waist Breadth, Over Foundation Garment: 419
124. Ear Breadth: 207	133. Hip Breadth, Over Foundation Garment: 425
126. Waist Height, Over Foundation Garment: 418	134. Waist Depth, Over Foundation Garment: 420
127. Abdominal Extension Height, Over Foundation Garment: 417	135. Abdominal Extension Depth, Over Foundation Garment: 416
128. Waist Circumference, Over Foundation Garment: 421	136. Buttock Depth, Over Foundation Garment: 426
129. Abdominal Extension Circumference, Over Foundation Garment: 415	137. Buttock Circumference, Sitting, Over Foundation Garment: 424
130. Hip Circumference—Seven Inches Below Waist Level, Over Foundation Garment: 422	138. Thigh-To-Thigh Breadth, Sitting, Over Foundation Garment: 427
131. Hip Circumference—Nine Inches Below Waist Level, Over Foundation Garment: 423	509. Forearm-Hand Length: 253
	373. Length of Thigh: 217, 218, 254
	388. Length of Leg: 217, 219, 255

SECTION XX

SUMMARY STATISTICS, OFFICERS AND ENLISTED WOMEN

Statistics for the 548 officer and officer candidate women are given in table XLI and for the 1357 basic trainees and enlisted women in table XLII. Background data for these two groups of women have been given in the discussion of these variables for the entire sample series. Sample size for the over-foundation-garment measurements is 1123 for the officers and 390 for the enlisted women.

TABLE XLI
STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR OFFICER SERIES

VARIABLE	MEAN	SE	ST	SE	COEF	SAMPLE	SYMM	KURT
		(M)	DEV	(SD)	VAR	SIZE	ENTRY	CSIS
1 AGE	29.72	0.32	7.38	0.22	24.8	547	1.03	3.22
2 WEIGHT	59.66	0.36	8.38	0.25	14.0	548	0.55	3.07
	131.52	0.79	18.47	0.56	14.0	548	0.55	3.07
3 TRICEPS SKINFOLD	1.98	0.03	0.59	0.02	29.6	548	0.72	4.37
	0.78	0.01	0.23	0.01	29.6	548	0.72	4.37
4 SUBSCAPULAR SKINFOLD	1.38	0.02	0.56	0.02	40.8	548	1.22	4.40
	0.54	0.01	0.22	0.01	40.8	548	1.22	4.40
5 SUPRAILIAC SKINFOLD	1.97	0.03	0.77	0.02	39.2	548	0.55	3.37
	0.78	0.01	0.30	0.01	39.2	548	0.55	3.37
6 MEDIAL CALF SKINFOLD	1.59	0.02	0.56	0.02	35.3	548	0.27	3.62
	0.63	0.01	0.22	0.01	35.3	548	0.27	3.62
7 STATURE	162.77	0.27	6.20	0.19	3.8	548	-0.00	2.79
	64.08	0.10	2.44	0.07	3.8	548	-0.00	2.79
8 STATURE, MAXIMUM	163.42	0.27	6.24	0.19	3.8	548	0.01	2.80
	64.34	0.10	2.46	0.07	3.8	548	0.01	2.80
9 CERVICALE HEIGHT	139.66	0.24	5.70	0.17	4.1	548	-0.03	2.82
	54.98	0.10	2.24	0.07	4.1	548	-0.03	2.82
10 ACROMIAL HEIGHT	132.36	0.24	5.62	0.17	4.2	548	-0.04	2.70
	52.11	0.09	2.21	0.07	4.2	548	-0.04	2.70
11 SUPRASTERNAL HEIGHT	132.45	0.23	5.44	0.16	4.1	548	-0.02	2.79
	52.15	0.09	2.14	0.06	4.1	548	-0.02	2.79
12 BUSTPOINT HEIGHT	118.40	0.23	5.28	0.16	4.5	548	0.05	3.06
	46.62	0.09	2.08	0.06	4.5	548	0.05	3.06
13 WAIST HEIGHT	100.68	0.19	4.55	0.14	4.5	548	0.05	2.86
	39.64	0.08	1.79	0.05	4.5	548	0.05	2.86
14 ABDOMINAL EXTENSION HEIGHT	93.15	0.20	4.57	0.14	4.9	548	0.07	2.92
	36.67	0.08	1.80	0.05	4.9	548	0.07	2.92
15 TROCHANTERIC HEIGHT	82.76	0.19	4.40	0.13	5.3	548	0.08	2.75
	32.58	0.07	1.73	0.05	5.3	548	0.08	2.75
16 BUTTOCK HEIGHT	82.08	0.18	4.26	0.13	5.2	548	-0.03	3.11
	32.32	0.07	1.68	0.05	5.2	548	-0.03	3.11
17 GLUTEAL FURROW HEIGHT	72.52	0.17	4.03	0.12	5.6	548	0.09	3.21
	28.55	0.07	1.58	0.05	5.6	548	0.09	3.21
18 TIBIALE HEIGHT	42.07	0.11	2.52	0.08	6.0	548	0.15	2.92
	16.56	0.04	0.99	0.03	6.0	548	0.15	2.92

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XLI
STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR OFFICER SERIES

PERCENTILES													VAR NO
1ST	5TH	10TH	15TH	25TH	35TH	50TH	65TH	75TH	85TH	90TH	95TH	99TH	
21.1	21.9	22.2	22.7	23.7	25.0	27.5	30.9	33.8	37.8	40.7	44.7	50.3	1
44.3	47.4	49.4	51.0	53.5	55.6	58.8	62.2	65.0	68.6	71.1	74.9	82.4	2
97.8	104.4	108.9	112.3	117.9	122.7	129.7	137.2	143.2	151.1	156.7	165.2	181.8	
0.8	1.1	1.3	1.4	1.6	1.7	1.9	2.1	2.3	2.5	2.7	3.0	3.6	3
0.3	0.4	0.5	0.5	0.6	0.7	0.8	0.8	0.9	1.0	1.1	1.2	1.4	
0.6	0.7	0.8	0.8	0.9	1.1	1.2	1.5	1.7	1.9	2.2	2.5	3.2	4
0.2	0.3	0.3	0.3	0.4	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.3	
0.6	0.8	1.0	1.1	1.4	1.6	1.9	2.2	2.5	2.7	2.9	3.3	4.4	5
0.2	0.3	0.4	0.4	0.5	0.6	0.8	0.9	1.0	1.1	1.1	1.3	1.7	
0.2	0.7	0.9	1.0	1.2	1.4	1.6	1.8	1.9	2.1	2.3	2.5	3.1	6
0.1	0.3	0.3	0.4	0.5	0.5	0.6	0.7	0.8	0.8	0.9	1.0	1.2	
149.1	152.3	154.5	156.1	158.5	160.4	162.9	165.3	167.0	169.2	170.6	172.8	177.5	7
58.7	60.0	60.8	61.4	62.4	63.1	64.1	65.1	65.8	66.6	67.2	68.0	69.9	
149.7	152.9	155.1	156.7	159.1	161.0	163.5	165.9	167.7	169.8	171.3	173.6	178.6	8
58.9	60.2	61.1	61.7	62.6	63.4	64.4	65.3	66.0	66.9	67.4	68.3	70.3	
127.1	130.2	132.2	133.6	135.7	137.4	139.7	142.0	143.6	145.6	147.0	149.0	152.7	9
50.0	51.3	52.0	52.6	53.4	54.1	55.0	55.9	56.5	57.3	57.9	58.6	60.1	
120.1	122.9	124.8	126.2	128.4	130.2	132.5	134.7	136.3	138.2	139.5	141.4	145.0	10
47.3	48.4	49.1	49.7	50.6	51.3	52.2	53.0	53.7	54.4	54.9	55.7	57.1	
120.0	123.3	125.3	126.7	128.7	130.4	132.5	134.6	136.1	138.0	139.3	141.3	145.4	11
47.2	48.5	49.3	49.9	50.7	51.3	52.2	53.0	53.6	54.3	54.8	55.6	57.3	
106.5	109.6	111.5	112.9	114.8	116.4	118.4	120.4	121.9	123.8	125.1	127.1	131.5	12
41.9	43.2	43.9	44.4	45.2	45.8	46.6	47.4	48.0	48.7	49.2	50.0	51.8	
90.6	93.1	94.7	95.8	97.5	98.9	100.7	102.4	103.7	105.4	106.5	108.1	111.4	13
35.7	36.7	37.3	37.7	38.4	38.9	39.6	40.3	40.8	41.5	41.9	42.6	43.9	
83.1	85.5	87.1	88.3	90.0	91.4	93.2	94.9	96.2	97.9	99.0	100.7	104.7	14
32.7	33.7	34.3	34.8	35.4	36.0	36.7	37.4	37.9	38.5	39.0	39.7	41.2	
73.4	75.6	77.1	78.1	79.7	81.0	82.7	84.5	85.8	87.4	88.5	90.1	92.9	15
28.9	29.8	30.3	30.7	31.4	31.9	32.6	33.3	33.8	34.4	34.8	35.5	36.6	
72.9	74.9	76.4	77.5	79.2	80.5	82.2	83.8	85.0	86.4	87.4	88.9	92.4	16
28.7	29.5	30.1	30.5	31.2	31.7	32.4	33.0	33.5	34.0	34.4	35.0	36.4	
63.6	66.0	67.4	68.4	69.8	71.0	72.5	74.0	75.2	76.6	77.6	79.2	82.4	17
25.0	26.0	26.5	26.9	27.5	27.9	28.5	29.1	29.6	30.2	30.6	31.2	32.4	
36.7	38.1	38.9	39.5	40.3	41.1	42.0	43.0	43.7	44.7	45.4	46.4	48.6	18
14.5	15.0	15.3	15.5	15.9	16.2	16.5	16.9	17.2	17.6	17.9	18.3	19.1	

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XLI
STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR OFFICER SERIES

VARIABLE	MEAN	SE (M)	ST DEV	SE (SD)	COEF VAR	SAMPLE SIZE	SYMM ETRY	KURT CSIS
19 CROTCH HEIGHT	74.39	0.18	4.17	0.13	5.6	548	0.13	3.09
	29.29	0.07	1.64	0.05	5.6	548	0.13	3.09
20 ANKLE HEIGHT	11.18	0.06	1.37	0.04	12.3	548	0.25	2.51
	4.40	0.02	0.54	0.02	12.3	548	0.25	2.51
21 LATERAL MALLEOLUS HEIGHT	6.79	0.03	0.60	0.02	8.8	548	-0.02	3.10
	2.67	0.01	0.23	0.01	8.8	548	-0.02	3.10
22 SITTING HEIGHT, RELAXED	85.01	0.14	3.19	0.10	3.8	548	0.00	3.11
	33.47	0.05	1.26	0.04	3.8	548	0.00	3.11
23 SITTING HEIGHT	86.23	0.14	3.19	0.10	3.7	548	0.00	3.10
	33.95	0.05	1.26	0.04	3.7	548	0.00	3.10
24 EYE HEIGHT, SITTING	74.41	0.13	3.07	0.09	4.1	548	0.07	2.91
	29.30	0.05	1.21	0.04	4.1	548	0.07	2.91
25 MIDSHOULDER HEIGHT, SITTING	58.51	0.11	2.68	0.08	4.6	548	0.15	2.81
	23.04	0.05	1.06	0.03	4.6	548	0.15	2.81
26 WAIST HEIGHT, SITTING	23.75	0.07	1.67	0.05	7.1	548	0.07	2.94
	9.35	0.03	0.66	0.02	7.1	548	0.07	2.94
27 ELBOW REST HEIGHT	22.91	0.10	2.40	0.07	10.5	548	0.12	2.97
	9.02	0.04	0.95	0.03	10.5	548	0.12	2.97
28 POPLITEAL HEIGHT	41.00	0.08	1.93	0.06	4.7	548	-0.09	3.90
	16.14	0.03	0.76	0.02	4.7	548	-0.09	3.90
29 BUTTOCK-POPLITEAL LENGTH	47.94	0.12	2.71	0.08	5.7	548	0.24	2.94
	18.88	0.05	1.07	0.03	5.7	548	0.24	2.94
30 BUTTOCK-KNEE LENGTH	57.60	0.11	2.62	0.08	4.5	548	0.02	2.72
	22.68	0.04	1.03	0.03	4.5	548	0.02	2.72
31 ACROMION-RADIALE LENGTH	31.14	0.07	1.65	0.05	5.3	548	-0.15	2.96
	12.26	0.03	0.65	0.02	5.3	548	-0.15	2.96
32 RADIALE-STYLION LENGTH	23.36	0.06	1.37	0.04	5.9	548	-0.01	3.00
	9.20	0.02	0.54	0.02	5.9	548	-0.01	3.00
33 THUMB-TIP REACH	74.31	0.17	3.87	0.12	5.2	548	-0.16	2.97
	29.25	0.07	1.52	0.05	5.2	548	-0.16	2.97
34 THUMB-TIP REACH, EXTENDED	84.28	0.21	4.87	0.15	5.8	548	0.13	2.87
	33.18	0.08	1.92	0.06	5.8	548	0.13	2.87
35 OVERHEAD REACH	199.38	0.37	8.72	0.26	4.4	548	-0.05	2.48
	78.49	0.15	3.43	0.10	4.4	548	-0.05	2.48
36 NECK CIRCUMFERENCE	34.02	0.08	1.80	0.05	5.3	548	0.34	2.85
	13.39	0.03	0.71	0.02	5.3	548	0.34	2.85

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XLI
STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR OFFICER SERIES

PERCENTILES													VAR
1ST	5TH	10TH	15TH	25TH	35TH	50TH	65TH	75TH	85TH	90TH	95TH	99TH	NO
65.4	67.7	69.1	70.1	71.5	72.7	74.3	75.9	77.2	78.7	79.8	81.3	84.4	19
25.7	26.7	27.2	27.6	28.2	28.6	29.3	29.9	30.4	31.0	31.4	32.0	33.2	
8.4	9.1	9.5	9.7	10.2	10.5	11.1	11.7	12.2	12.7	13.1	13.6	14.3	20
3.3	3.6	3.7	3.8	4.0	4.1	4.4	4.6	4.8	5.0	5.2	5.4	5.6	
5.3	5.8	6.0	6.2	6.4	6.6	6.8	7.0	7.2	7.5	7.6	7.8	8.3	21
2.1	2.3	2.4	2.4	2.5	2.6	2.7	2.8	2.8	2.9	3.0	3.1	3.3	
77.5	79.8	81.0	81.7	82.9	83.8	85.0	86.2	87.2	88.4	89.2	90.3	92.3	22
30.5	31.4	31.9	32.2	32.6	33.0	33.5	33.9	34.3	34.8	35.1	35.6	36.4	
78.9	81.2	82.3	83.0	84.1	85.0	86.2	87.4	88.4	89.6	90.4	91.5	93.5	23
31.1	31.9	32.4	32.7	33.1	33.4	33.9	34.4	34.8	35.3	35.6	36.0	36.8	
67.7	69.5	70.5	71.2	72.3	73.2	74.3	75.6	76.5	77.6	78.4	79.6	81.7	24
26.6	27.4	27.8	28.0	28.5	28.8	29.3	29.7	30.1	30.6	30.9	31.3	32.2	
52.6	54.2	55.1	55.7	56.6	57.3	58.4	59.5	60.4	61.4	62.1	63.1	64.6	25
20.7	21.3	21.7	21.9	22.3	22.6	23.0	23.4	23.8	24.2	24.4	24.8	25.5	
19.8	20.9	21.6	22.0	22.6	23.1	23.7	24.4	24.9	25.5	25.9	26.6	27.8	26
7.8	8.2	8.5	8.7	8.9	9.1	9.3	9.6	9.8	10.0	10.2	10.5	11.0	
17.6	19.2	19.9	20.4	21.2	21.9	22.8	23.7	24.5	25.5	26.2	27.1	28.8	27
6.9	7.5	7.8	8.1	8.4	8.6	9.0	9.3	9.6	10.0	10.3	10.7	11.4	
35.6	37.8	38.7	39.2	39.9	40.3	41.0	41.6	42.1	42.8	43.3	44.2	46.0	28
14.0	14.9	15.2	15.4	15.7	15.9	16.1	16.4	16.6	16.9	17.1	17.4	18.1	
41.9	43.7	44.6	45.2	46.0	46.8	47.8	48.9	49.7	50.8	51.6	52.7	54.6	29
16.5	17.2	17.6	17.8	18.1	18.4	18.8	19.2	19.6	20.0	20.3	20.8	21.5	
51.5	53.3	54.2	54.9	55.8	56.5	57.6	58.6	59.4	60.4	61.1	62.0	63.6	30
20.3	21.0	21.3	21.6	22.0	22.3	22.7	23.1	23.4	23.8	24.0	24.4	25.1	
27.5	28.3	28.9	29.4	30.0	30.6	31.2	31.9	32.3	32.8	33.2	33.6	34.7	31
10.8	11.1	11.4	11.6	11.8	12.0	12.3	12.6	12.7	12.9	13.1	13.2	13.6	
20.0	21.1	21.6	21.9	22.4	22.8	23.3	23.9	24.3	24.8	25.2	25.7	26.8	32
7.9	8.3	8.5	8.6	8.8	9.0	9.2	9.4	9.6	9.8	9.9	10.1	10.5	
64.2	67.7	69.3	70.3	71.7	72.9	74.3	75.8	77.0	78.4	79.3	80.6	82.7	33
25.3	26.7	27.3	27.7	28.2	28.7	29.3	29.9	30.3	30.9	31.2	31.7	32.6	
73.1	76.4	78.1	79.2	80.9	82.3	84.1	86.0	87.5	89.4	90.7	92.7	96.4	34
28.8	30.1	30.8	31.2	31.9	32.4	33.1	33.9	34.5	35.2	35.7	36.5	38.0	
180.8	184.9	187.7	189.8	193.1	195.8	199.5	203.1	205.8	208.9	210.9	213.6	217.5	35
71.2	72.8	73.9	74.7	76.0	77.1	78.5	80.0	81.0	82.2	83.0	84.1	85.6	
30.2	31.3	31.8	32.2	32.7	33.2	33.8	34.6	35.2	36.0	36.5	37.3	38.5	36
11.9	12.3	12.5	12.7	12.9	13.1	13.3	13.6	13.9	14.2	14.4	14.7	15.1	

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XLI
STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR OFFICER SERIES

VARIABLE	MEAN	SE (M)	ST DEV (SD)	SE	COEF VAR	SAMPLE SIZE	SYMM ETRY	KURT OSIS
37 SHOULDER CIRCUMFERENCE	101.73 40.05	0.24 0.09	5.59 2.20	0.17 0.07	5.5 5.5	548 548	0.44 0.44	3.00 3.00
38 CHEST CIRCUMFERENCE AT SCYE	85.91 33.82	0.23 0.09	5.45 2.14	0.16 0.06	6.3 6.3	548 548	0.47 0.47	2.98 2.98
39 BUST CIRCUMFERENCE	91.55 36.04	0.28 0.11	6.53 2.57	0.20 0.08	7.1 7.1	548 548	0.59 0.59	3.14 3.14
40 CHEST CIRCUMFERENCE BELOW BUST	75.55 29.74	0.24 0.09	5.61 2.21	0.17 0.07	7.4 7.4	548 548	0.57 0.57	3.20 3.20
41 WAIST CIRCUMFERENCE	68.22 26.86	0.28 0.11	6.48 2.55	0.20 0.08	9.5 9.5	548 548	0.76 0.76	3.45 3.45
42 ABDOMINAL EXTENSION CIRCUM- FERENCE	87.95 34.63	0.34 0.14	8.07 3.18	0.24 0.10	9.2 9.2	548 548	0.56 0.56	3.08 3.08
43 HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL	95.09 37.44	0.27 0.10	6.22 2.45	0.19 0.07	6.5 6.5	548 548	0.63 0.63	3.33 3.33
44 HIP CIRCUMFERENCE-NINE INCHES BELOW WAIST LEVEL	96.85 38.13	0.27 0.11	6.33 2.49	0.19 0.08	6.5 6.5	548 548	0.55 0.55	3.34 3.34
45 UPPER THIGH CIRCUMFERENCE	56.30 22.17	0.19 0.08	4.49 1.77	0.14 0.05	8.0 8.0	548 548	0.33 0.33	3.11 3.11
46 KNEE CIRCUMFERENCE	36.68 14.44	0.11 0.04	2.47 0.97	0.07 0.03	6.7 6.7	548 548	0.56 0.56	3.35 3.35
47 CALF CIRCUMFERENCE, RIGHT	34.32 13.51	0.10 0.04	2.33 0.92	0.07 0.03	6.8 6.8	548 548	0.40 0.40	3.18 3.18
48 CALF CIRCUMFERENCE, LEFT	34.46 13.57	0.10 0.04	2.37 0.93	0.07 0.03	6.9 6.9	548 548	0.30 0.30	3.11 3.11
49 ANKLE CIRCUMFERENCE	21.02 8.28	0.06 0.02	1.31 0.52	0.04 0.02	6.2 6.2	548 548	0.34 0.34	2.92 2.92
50 VERTICAL TRUNK CIRCUMFERENCE	156.58 61.65	0.30 0.12	7.12 2.80	0.22 0.08	4.5 4.5	548 548	0.22 0.22	2.80 2.80
51 VERTICAL TRUNK CIRCUMFERENCE, SITTING	151.85 59.78	0.29 0.11	6.75 2.66	0.20 0.08	4.4 4.4	548 548	0.11 0.11	2.81 2.81
52 BUTTOCK CIRCUMFERENCE, SITTING	101.89 40.12	0.29 0.12	6.89 2.71	0.21 0.08	6.8 6.8	548 548	0.64 0.64	3.34 3.34
53 SCYE CIRCUMFERENCE	37.77 14.87	0.10 0.04	2.43 0.96	0.07 0.03	6.4 6.4	548 548	0.52 0.52	3.83 3.83
54 AXILLARY ARM CIRCUMFERENCE	28.11 11.07	0.11 0.04	2.53 1.00	0.08 0.03	9.0 9.0	548 548	0.62 0.62	3.68 3.68

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XLI
STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR OFFICER SERIES

PERCENTILES													VAR
1ST	5TH	10TH	15TH	25TH	35TH	50TH	65TH	75TH	85TH	90TH	95TH	99TH	NO
91.5	93.3	94.8	95.9	97.7	99.2	101.3	103.6	105.3	107.6	109.2	111.8	117.1	37
36.0	36.7	37.3	37.7	38.4	39.0	39.9	40.8	41.5	42.4	43.0	44.0	46.1	
75.5	77.9	79.3	80.3	81.9	83.3	85.4	87.6	89.4	91.7	93.3	95.8	100.5	38
29.7	30.7	31.2	31.6	32.3	32.8	33.6	34.5	35.2	36.1	36.7	37.7	39.6	
79.6	82.2	83.8	84.9	86.7	88.3	90.7	93.3	95.5	98.4	100.4	103.6	109.4	39
31.3	32.4	33.0	33.4	34.1	34.8	35.7	36.8	37.6	38.7	39.5	40.8	43.1	
65.3	67.6	68.9	69.8	71.4	72.8	74.9	77.2	79.1	81.6	83.3	85.9	90.3	40
25.7	26.6	27.1	27.5	28.1	28.7	29.5	30.4	31.1	32.1	32.8	33.8	35.6	
57.4	59.4	60.7	61.6	63.3	64.8	67.1	69.8	72.1	75.1	77.2	80.4	86.2	41
22.6	23.4	23.9	24.3	24.9	25.5	26.4	27.5	28.4	29.6	30.4	31.7	34.0	
73.2	76.2	78.1	79.6	82.0	84.0	87.0	90.3	92.9	96.4	99.0	102.9	110.8	42
28.8	30.0	30.8	31.3	32.3	33.1	34.3	35.5	36.6	38.0	39.0	40.5	43.6	
83.5	86.0	87.6	88.7	90.5	92.1	94.4	96.9	98.9	101.6	103.5	106.6	112.7	43
32.9	33.9	34.5	34.9	35.6	36.3	37.1	38.1	38.9	40.0	40.8	41.9	44.4	
85.0	87.6	89.2	90.4	92.3	93.9	96.2	98.7	100.7	103.4	105.3	108.3	114.5	44
33.5	34.5	35.1	35.6	36.3	37.0	37.9	38.9	39.6	40.7	41.4	42.6	45.1	
46.2	49.2	50.7	51.7	53.2	54.3	56.0	57.7	59.1	60.9	62.2	64.1	67.8	45
18.2	19.4	20.0	20.3	20.9	21.4	22.0	22.7	23.3	24.0	24.5	25.2	26.7	
32.0	33.0	33.6	34.1	34.9	35.6	36.5	37.4	38.2	39.2	39.9	41.1	43.4	46
12.6	13.0	13.2	13.4	13.7	14.0	14.4	14.7	15.0	15.4	15.7	16.2	17.1	
29.8	30.7	31.4	31.9	32.6	33.3	34.2	35.1	35.9	36.8	37.4	38.4	40.0	47
11.7	12.1	12.4	12.5	12.8	13.1	13.5	13.8	14.1	14.5	14.7	15.1	15.8	
29.5	30.8	31.5	32.0	32.8	33.4	34.3	35.3	36.0	37.0	37.6	38.5	40.2	48
11.6	12.1	12.4	12.6	12.9	13.2	13.5	13.9	14.2	14.6	14.8	15.2	15.8	
18.3	19.0	19.4	19.7	20.1	20.4	20.9	21.5	21.9	22.4	22.8	23.4	24.4	49
7.2	7.5	7.6	7.7	7.9	8.0	8.2	8.5	8.6	8.8	9.0	9.2	9.6	
142.2	145.3	147.4	149.0	151.4	153.4	156.2	159.1	161.3	164.2	166.1	169.0	174.6	50
56.0	57.2	58.0	58.7	59.6	60.4	61.5	62.6	63.5	64.6	65.4	66.5	68.7	
136.9	140.7	143.0	144.7	147.1	149.1	151.8	154.4	156.3	158.8	160.5	163.1	168.8	51
53.9	55.4	56.3	57.0	57.9	58.7	59.7	60.8	61.5	62.5	63.2	64.2	66.5	
89.2	92.0	93.7	94.9	96.8	98.5	101.0	103.8	106.0	109.1	111.3	114.9	122.2	52
35.1	36.2	36.9	37.4	38.1	38.8	39.8	40.9	41.7	43.0	43.8	45.2	48.1	
32.9	34.1	34.8	35.3	36.0	36.7	37.6	38.6	39.3	40.3	40.9	41.9	43.7	53
13.0	13.4	13.7	13.9	14.2	14.4	14.8	15.2	15.5	15.8	16.1	16.5	17.2	
23.4	24.3	25.0	25.5	26.3	27.0	27.9	28.9	29.6	30.6	31.3	32.5	35.1	54
9.2	9.6	9.8	10.0	10.3	10.6	11.0	11.4	11.7	12.0	12.3	12.8	13.8	

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

**TABLE XLI -
STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR OFFICER SERIES**

VARIABLE	MEAN	SE (M)	ST DEV (SD)	SE	COEF VAR	SAMPLE SIZE	SYMM ETRY	KURT OSIS
55 BICEPS CIRCUMFERENCE, RELAXED, RIGHT	26.34 10.37	0.11 0.04	2.48 0.98	0.08 0.03	9.4 9.4	548 548	0.61 0.61	3.34 3.34
56 BICEPS CIRCUMFERENCE, FLEXED, RIGHT	27.51 10.83	0.11 0.04	2.50 0.98	0.08 0.03	9.1 9.1	548 548	0.61 0.61	3.50 3.50
57 BICEPS CIRCUMFERENCE, RELAXED, LEFT	26.44 10.41	0.11 0.05	2.69 1.06	0.08 0.03	10.2 10.2	548 548	0.64 0.64	3.36 3.36
58 BICEPS CIRCUMFERENCE, FLEXED, LEFT	27.33 10.76	0.11 0.04	2.61 1.03	0.08 0.03	9.5 9.5	548 548	0.67 0.67	3.50 3.50
59 ELBOW CIRCUMFERENCE, FLEXED	27.05 10.65	0.08 0.03	1.83 0.72	0.06 0.02	6.7 6.7	548 548	0.34 0.34	3.19 3.19
60 FOREARM CIRCUMFERENCE, RELAXED	23.72 9.34	0.06 0.02	1.43 0.56	0.04 0.02	6.0 6.0	548 548	0.47 0.47	3.61 3.61
61 FOREARM CIRCUMFERENCE, FLEXED	25.17 9.91	0.07 0.03	1.57 0.62	0.05 0.02	6.2 6.2	548 548	0.44 0.44	3.58 3.58
62 WRIST CIRCUMFERENCE	14.98 5.90	0.03 0.01	0.73 0.29	0.02 0.01	4.9 4.9	548 548	0.27 0.27	3.09 3.09
63 BIACROMIAL BREADTH	36.10 14.21	0.07 0.03	1.63 0.64	0.05 0.02	4.5 4.5	548 548	0.06 0.06	3.14 3.14
64 BIDELTICID BREADTH	42.42 16.70	0.11 0.04	2.47 0.97	0.07 0.03	5.8 5.8	548 548	0.25 0.25	2.79 2.79
65 CHEST BREADTH	28.53 11.23	0.09 0.04	2.11 0.83	0.06 0.03	7.4 7.4	548 548	0.39 0.39	3.05 3.05
66 BUSTPOINT-TO-BUSTPOINT BREADTH	18.79 7.40	0.07 0.03	1.59 0.62	0.05 0.02	8.4 8.4	548 548	0.45 0.45	3.17 3.17
67 WAIST BREADTH	24.33 9.58	0.09 0.04	2.16 0.85	0.07 0.03	8.9 8.9	548 548	0.53 0.53	3.31 3.31
68 HIP BREADTH	35.50 13.97	0.10 0.04	2.32 0.91	0.07 0.03	6.5 6.5	548 548	0.42 0.42	3.20 3.20
69 THIGH-TO-THIGH BREADTH, SITTING	39.18 15.43	0.13 0.05	3.00 1.18	0.09 0.04	7.6 7.6	548 548	0.43 0.43	2.97 2.97
70 HUMERAL BREADTH, RIGHT	6.16 2.43	0.01 0.01	0.31 0.12	0.01 0.00	5.0 5.0	548 548	0.09 0.09	3.48 3.48
71 HUMERAL BREADTH, LEFT	6.12 2.41	0.01 0.01	0.31 0.12	0.01 0.00	5.0 5.0	548 548	0.11 0.11	3.43 3.43
72 FEMORAL BREADTH, RIGHT	8.20 3.23	0.02 0.01	0.45 0.18	0.01 0.01	5.5 5.5	548 548	0.01 0.01	3.25 3.25

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XL1
STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR OFFICER SERIES

PERCENTILES													VAR
1ST	5TH	10TH	15TH	25TH	35TH	50TH	65TH	75TH	85TH	90TH	95TH	99TH	NO
21.6	22.8	23.4	23.8	24.5	25.1	26.0	27.0	27.8	28.9	29.7	30.9	33.2	55
8.5	9.0	9.2	9.4	9.7	9.9	10.3	10.6	11.0	11.4	11.7	12.2	13.1	
22.9	23.9	24.5	25.0	25.7	26.3	27.2	28.2	29.0	30.0	30.8	32.0	34.4	56
9.0	9.4	9.6	9.8	10.1	10.4	10.7	11.1	11.4	11.8	12.1	12.6	13.6	
21.6	22.6	23.2	23.7	24.4	25.1	26.1	27.2	28.1	29.3	30.1	31.3	33.6	57
8.5	8.9	9.2	9.3	9.6	9.9	10.3	10.7	11.1	11.5	11.8	12.3	13.2	
22.4	23.6	24.2	24.7	25.4	26.0	27.0	28.0	28.9	30.0	30.8	32.1	34.6	58
8.8	9.3	9.5	9.7	10.0	10.3	10.6	11.0	11.4	11.8	12.1	12.7	13.6	
23.3	24.2	24.8	25.2	25.8	26.3	27.0	27.7	28.2	28.9	29.4	30.2	31.8	59
9.2	9.5	9.8	9.9	10.1	10.3	10.6	10.9	11.1	11.4	11.6	11.9	12.5	
20.9	21.5	21.9	22.2	22.7	23.1	23.6	24.2	24.6	25.1	25.5	26.1	27.5	60
8.2	8.5	8.6	8.8	8.9	9.1	9.3	9.5	9.7	9.9	10.0	10.3	10.8	
22.2	22.7	23.2	23.5	24.1	24.5	25.1	25.7	26.1	26.7	27.1	27.8	29.5	61
8.7	9.0	9.1	9.3	9.5	9.6	9.9	10.1	10.3	10.5	10.7	10.9	11.6	
13.4	13.8	14.0	14.2	14.4	14.7	14.9	15.2	15.5	15.8	16.0	16.3	16.9	62
5.3	5.4	5.5	5.6	5.7	5.8	5.9	6.0	6.1	6.2	6.3	6.4	6.7	
32.1	33.4	34.0	34.4	35.0	35.5	36.1	36.7	37.2	37.8	38.2	38.8	40.0	63
12.6	13.1	13.4	13.6	13.8	14.0	14.2	14.4	14.6	14.9	15.0	15.3	15.8	
37.2	38.6	39.3	39.9	40.6	41.3	42.3	43.3	44.1	45.1	45.8	46.8	48.6	64
14.6	15.2	15.5	15.7	16.0	16.3	16.6	17.0	17.3	17.7	18.0	18.4	19.1	
24.3	25.3	25.9	26.3	27.0	27.6	28.4	29.2	29.9	30.7	31.4	32.3	34.1	65
9.6	10.0	10.2	10.4	10.6	10.8	11.2	11.5	11.8	12.1	12.3	12.7	13.4	
15.7	16.5	16.9	17.2	17.6	18.0	18.6	19.3	19.8	20.5	20.9	21.6	22.9	66
6.2	6.5	6.6	6.8	6.9	7.1	7.3	7.6	7.8	8.1	8.2	8.5	9.0	
20.2	21.1	21.7	22.1	22.8	23.4	24.2	25.0	25.7	26.5	27.2	28.1	30.2	67
7.9	8.3	8.5	8.7	9.0	9.2	9.5	9.8	10.1	10.4	10.7	11.1	11.9	
30.9	32.0	32.6	33.1	33.8	34.4	35.3	36.2	37.0	37.9	38.6	39.6	41.5	68
12.2	12.6	12.9	13.0	13.3	13.6	13.9	14.3	14.6	14.9	15.2	15.6	16.3	
33.1	34.7	35.5	36.1	37.0	37.8	38.9	40.1	41.1	42.4	43.2	44.6	47.0	69
13.0	13.7	14.0	14.2	14.6	14.9	15.3	15.8	16.2	16.7	17.0	17.6	18.5	
5.4	5.6	5.8	5.8	6.0	6.0	6.2	6.3	6.4	6.5	6.6	6.7	6.9	70
2.1	2.2	2.3	2.3	2.3	2.4	2.4	2.5	2.5	2.6	2.6	2.6	2.7	
5.4	5.6	5.7	5.8	5.9	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.9	71
2.1	2.2	2.3	2.3	2.3	2.4	2.4	2.5	2.5	2.5	2.6	2.6	2.7	
7.0	7.5	7.6	7.7	7.9	8.0	8.2	8.4	8.5	8.7	8.8	9.0	9.2	72
2.8	2.9	3.0	3.1	3.1	3.2	3.2	3.3	3.3	3.4	3.5	3.5	3.6	

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XLI
STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR OFFICER SERIES

VARIABLE	MEAN	SE (M)	ST DEV (SD)	SE	COEF VAR	SAMPLE SIZE	SYMM ETRY	KURT OSIS
73 FEMORAL BREADTH, LEFT	8.23	0.02	0.44	0.01	5.3	548	0.04	2.94
	3.24	0.01	0.17	0.01	5.3	548	0.04	2.94
74 CHEST DEPTH	24.23	0.09	2.19	0.07	9.0	548	0.53	3.20
	9.54	0.04	0.86	0.03	9.0	548	0.53	3.20
75 WAIST DEPTH	17.45	0.09	2.04	0.06	11.7	548	0.89	3.74
	6.87	0.03	0.80	0.02	11.7	548	0.89	3.74
76 ABDOMINAL EXTENSION DEPTH	21.53	0.11	2.48	0.07	11.5	548	0.76	3.55
	8.48	0.04	0.98	0.03	11.5	548	0.76	3.55
77 BUTTOCK DEPTH	21.45	0.09	2.01	0.06	9.4	548	0.67	3.58
	8.45	0.03	0.79	0.02	9.4	548	0.67	3.58
78 THIGH CLEARANCE	12.52	0.06	1.36	0.04	10.8	548	0.22	2.58
	4.93	0.02	0.53	0.02	10.8	548	0.22	2.58
79 SHOULDER LENGTH	14.74	0.04	1.02	0.03	6.9	548	0.17	3.05
	5.80	0.02	0.40	0.01	6.9	548	0.17	3.05
80 NECK-TO-BUSTPOINT LENGTH	26.09	0.09	1.99	0.06	7.6	548	0.28	2.78
	10.27	0.03	0.78	0.02	7.6	548	0.28	2.78
81 STRAP LENGTH	66.46	0.18	4.15	0.13	6.2	548	0.27	2.86
	26.16	0.07	1.64	0.05	6.2	548	0.27	2.86
82 INTERSCYE CURVATURE	35.62	0.11	2.57	0.08	7.2	548	0.18	2.83
	14.02	0.04	1.01	0.03	7.2	548	0.18	2.83
83 INTERSCYE CURVATURE, MAXIMUM	50.16	0.13	3.16	0.10	6.3	548	-0.14	3.34
	19.75	0.05	1.24	0.04	6.3	548	-0.14	3.34
84 BACK CURVATURE	42.68	0.14	3.37	0.10	7.9	548	0.30	2.85
	16.80	0.06	1.33	0.04	7.9	548	0.30	2.85
85 WAIST BACK	40.49	0.10	2.31	0.07	5.7	548	0.09	3.06
	15.94	0.04	0.91	0.03	5.7	548	0.09	3.06
86 ANTERIOR WAIST LENGTH	33.65	0.09	2.03	0.06	6.0	548	0.26	3.28
	13.25	0.03	0.80	0.02	6.0	548	0.26	3.28
87 SLEEVE INSEAM	43.87	0.10	2.44	0.07	5.6	548	-0.04	2.88
	17.27	0.04	0.96	0.03	5.6	548	-0.04	2.88
88 SPINE-TO-SCYE LENGTH (SLEEVE LENGTH SEGMENT)	20.73	0.06	1.31	0.04	6.3	548	0.19	3.06
	8.16	0.02	0.52	0.02	6.3	548	0.19	3.06
89 SPINE-TO-ELBOW LENGTH (SLEEVE LENGTH SEGMENT)	53.86	0.10	2.38	0.07	4.4	548	-0.00	2.86
	21.21	0.04	0.94	0.03	4.4	548	-0.00	2.86
90 SPINE-TO-WRIST LENGTH (SLEEVE LENGTH)	80.03	0.14	3.36	0.10	4.2	548	-0.06	2.94
	31.51	0.06	1.32	0.04	4.2	548	-0.06	2.94

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XLI
STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR OFFICER SERIES

PERCENTILES													VAR
1ST	5TH	10TH	15TH	25TH	35TH	50TH	65TH	75TH	85TH	90TH	95TH	99TH	NO
7.2	7.5	7.7	7.8	7.9	8.0	8.2	8.4	8.5	8.7	8.8	9.0	9.2	73
2.8	3.0	3.0	3.1	3.1	3.2	3.2	3.3	3.4	3.4	3.5	3.5	3.6	
20.1	21.1	21.6	22.0	22.7	23.2	24.0	24.9	25.6	26.5	27.2	28.2	30.1	74
7.9	8.3	8.5	8.7	8.9	9.1	9.4	9.8	10.1	10.4	10.7	11.1	11.8	
14.0	14.8	15.2	15.5	16.0	16.4	17.1	17.9	18.6	19.6	20.3	21.4	23.6	75
5.5	5.8	6.0	6.1	6.3	6.5	6.7	7.0	7.3	7.7	8.0	8.4	9.3	
16.9	18.2	18.7	19.1	19.7	20.3	21.1	22.1	23.0	24.1	25.0	26.3	28.8	76
6.7	7.2	7.4	7.5	7.8	8.0	8.3	8.7	9.0	9.5	9.8	10.4	11.3	
17.7	18.7	19.1	19.5	20.0	20.5	21.2	22.0	22.7	23.6	24.2	25.2	26.9	77
7.0	7.3	7.5	7.7	7.9	8.1	8.3	8.7	8.9	9.3	9.5	9.9	10.6	
9.8	10.4	10.8	11.1	11.5	11.9	12.5	13.0	13.5	14.0	14.4	14.9	15.7	78
3.8	4.1	4.2	4.4	4.5	4.7	4.9	5.1	5.3	5.5	5.7	5.9	6.2	
12.3	13.1	13.4	13.7	14.0	14.3	14.7	15.1	15.4	15.8	16.1	16.5	17.3	79
4.9	5.1	5.3	5.4	5.5	5.6	5.8	5.9	6.1	6.2	6.3	6.5	6.8	
21.9	23.0	23.6	24.0	24.6	25.2	25.9	26.8	27.4	28.2	28.8	29.6	30.9	80
8.6	9.0	9.3	9.4	9.7	9.9	10.2	10.5	10.8	11.1	11.3	11.7	12.2	
58.6	60.1	61.2	62.0	63.4	64.6	66.2	67.9	69.2	70.8	72.0	73.6	76.8	81
23.1	23.7	24.1	24.4	25.0	25.4	26.1	26.7	27.2	27.9	28.3	29.0	30.2	
30.4	31.4	32.2	32.8	33.8	34.5	35.6	36.6	37.3	38.3	38.9	39.9	41.8	82
12.0	12.4	12.7	12.9	13.3	13.6	14.0	14.4	14.7	15.1	15.3	15.7	16.5	
42.5	44.9	46.1	46.9	48.1	49.0	50.2	51.4	52.3	53.4	54.2	55.2	56.8	83
16.7	17.7	18.2	18.5	18.9	19.3	19.8	20.2	20.6	21.0	21.3	21.7	22.4	
35.6	37.5	38.5	39.2	40.3	41.2	42.4	43.8	44.9	46.2	47.2	48.6	51.3	84
14.0	14.7	15.1	15.4	15.8	16.2	16.7	17.2	17.7	18.2	18.6	19.1	20.2	
34.9	36.8	37.6	38.1	38.9	39.5	40.4	41.3	42.0	42.9	43.5	44.5	46.1	85
13.8	14.5	14.8	15.0	15.3	15.6	15.9	16.3	16.5	16.9	17.1	17.5	18.1	
29.4	30.4	31.1	31.5	32.2	32.8	33.6	34.3	34.9	35.7	36.2	37.1	39.0	86
11.6	12.0	12.2	12.4	12.7	12.9	13.2	13.5	13.7	14.0	14.3	14.6	15.3	
38.1	39.8	40.7	41.3	42.2	42.9	43.9	44.8	45.5	46.4	47.0	47.9	49.6	87
15.0	15.7	16.0	16.3	16.6	16.9	17.3	17.6	17.9	18.3	18.5	18.8	19.5	
17.9	18.7	19.1	19.4	19.8	20.2	20.7	21.2	21.6	22.1	22.5	23.0	24.0	88
7.1	7.4	7.5	7.6	7.8	7.9	8.1	8.3	8.5	8.7	8.9	9.1	9.4	
48.7	49.9	50.7	51.3	52.2	52.9	53.9	54.8	55.5	56.3	56.8	57.7	59.4	89
19.2	19.6	20.0	20.2	20.5	20.8	21.2	21.6	21.8	22.2	22.4	22.7	23.4	
72.8	74.2	75.4	76.4	77.7	78.8	80.2	81.4	82.3	83.4	84.1	85.2	88.2	90
28.6	29.2	29.7	30.1	30.6	31.0	31.6	32.1	32.4	32.8	33.1	33.6	34.7	

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XLI
STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR OFFICER SERIES

VARIABLE	MEAN	SE (M)	ST DEV (SD)	SE	COEF VAR	SAMPLE SIZE	SYMM ETRY	KURT OSIS
91 HAND LENGTH	18.43	0.04	0.97	0.03	5.2	548	0.26	2.99
	7.26	0.02	0.38	0.01	5.2	548	0.26	2.99
92 HAND BREADTH	7.59	0.02	0.40	0.01	5.2	548	-0.07	2.99
	2.99	0.01	0.16	0.00	5.2	548	-0.07	2.99
93 HAND CIRCUMFERENCE	18.32	0.04	0.93	0.03	5.1	548	0.17	2.93
	7.21	0.02	0.36	0.01	5.1	548	0.17	2.93
94 FOOT LENGTH	24.14	0.05	1.16	0.03	4.8	548	-0.00	2.68
	9.50	0.02	0.46	0.01	4.8	548	-0.00	2.68
95 FOOT BREADTH	8.83	0.02	0.49	0.01	5.6	548	0.31	3.84
	3.47	0.01	0.19	0.01	5.6	548	0.31	3.84
96 HEAD LENGTH	18.58	0.03	0.65	0.02	3.5	548	0.06	2.78
	7.31	0.01	0.26	0.01	3.5	548	0.06	2.78
97 HEAD BREADTH	14.68	0.03	0.59	0.02	4.0	548	0.12	3.28
	5.78	0.01	0.23	0.01	4.0	548	0.12	3.28
98 HEAD CIRCUMFERENCE	55.20	0.07	1.63	0.05	3.0	548	0.34	3.51
	21.73	0.03	0.64	0.02	3.0	548	0.34	3.51
99 TRAGION TO TOP OF HEAD	12.84	0.03	0.77	0.02	6.0	548	0.27	3.06
	5.06	0.01	0.30	0.01	6.0	548	0.27	3.06
100 ECTOCANTHUS TO TOP OF HEAD	11.88	0.04	0.93	0.03	7.8	548	0.39	3.33
	4.68	0.02	0.37	0.01	7.8	548	0.39	3.33
101 PRONASALE TO TOP OF HEAD	15.00	0.05	1.21	0.04	8.0	548	0.34	3.19
	5.91	0.02	0.47	0.01	8.0	548	0.34	3.19
102 SUBNASALE TO TOP OF HEAD	16.10	0.05	1.12	0.03	6.9	548	0.25	3.24
	6.34	0.02	0.44	0.01	6.9	548	0.25	3.24
103 STOMION TO TOP OF HEAD	17.98	0.05	1.13	0.03	6.3	548	0.17	3.24
	7.08	0.02	0.45	0.01	6.3	548	0.17	3.24
104 MENTON TO TOP OF HEAD	22.08	0.05	1.17	0.04	5.3	548	0.09	3.40
	8.69	0.02	0.46	0.01	5.3	548	0.09	3.40
105 TRAGION TO WALL	10.22	0.04	0.90	0.03	8.8	548	0.64	4.15
	4.03	0.02	0.35	0.01	8.8	548	0.64	4.15
106 ECTOCANTHUS TO WALL	16.50	0.04	0.93	0.03	5.6	548	0.44	3.90
	6.50	0.02	0.36	0.01	5.6	548	0.44	3.90
107 PRONASALE TO WALL	21.34	0.04	0.96	0.03	4.5	548	0.40	3.44
	8.40	0.02	0.38	0.01	4.5	548	0.40	3.44
108 SUBNASALE TO WALL	19.74	0.04	0.96	0.03	4.9	548	0.42	3.39
	7.77	0.02	0.38	0.01	4.9	548	0.42	3.39

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XL1
STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR OFFICER SERIES

PERCENTILES													VAR
1ST	5TH	10TH	15TH	25TH	35TH	50TH	65TH	75TH	85TH	90TH	95TH	99TH	NO
16.4	17.0	17.2	17.4	17.7	18.0	18.4	18.8	19.1	19.5	19.7	20.1	20.6	91
6.5	6.7	6.8	6.9	7.0	7.1	7.2	7.4	7.5	7.7	7.8	7.9	8.1	
6.6	6.9	7.1	7.2	7.3	7.4	7.6	7.8	7.9	8.0	8.1	8.3	8.5	92
2.6	2.7	2.8	2.8	2.9	2.9	3.0	3.1	3.1	3.2	3.2	3.2	3.4	
16.3	16.7	17.1	17.3	17.7	17.9	18.3	18.7	18.9	19.2	19.5	19.9	20.8	93
6.4	6.6	6.7	6.8	6.9	7.1	7.2	7.3	7.4	7.6	7.7	7.8	8.2	
21.5	22.2	22.6	22.9	23.3	23.7	24.1	24.6	25.0	25.4	25.7	26.1	26.8	94
8.5	8.7	8.9	9.0	9.2	9.3	9.5	9.7	9.8	10.0	10.1	10.3	10.5	
7.6	8.0	8.2	8.3	8.5	8.6	8.8	9.0	9.2	9.4	9.5	9.7	10.1	95
3.0	3.1	3.2	3.3	3.3	3.4	3.5	3.5	3.6	3.7	3.7	3.8	4.0	
17.1	17.5	17.7	17.9	18.1	18.3	18.6	18.8	19.0	19.3	19.4	19.7	20.1	96
6.7	6.9	7.0	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.6	7.7	7.9	
13.2	13.7	14.0	14.1	14.3	14.4	14.7	14.9	15.1	15.3	15.4	15.7	16.0	97
5.2	5.4	5.5	5.5	5.6	5.7	5.8	5.9	5.9	6.0	6.1	6.2	6.3	
51.8	52.6	53.1	53.5	54.1	54.5	55.1	55.7	56.2	56.8	57.2	57.9	59.6	98
20.4	20.7	20.9	21.1	21.3	21.5	21.7	21.9	22.1	22.4	22.5	22.8	23.4	
11.2	11.6	11.9	12.0	12.3	12.5	12.8	13.1	13.4	13.7	13.9	14.2	14.7	99
4.4	4.6	4.7	4.7	4.8	4.9	5.0	5.2	5.3	5.4	5.5	5.6	5.8	
10.0	10.4	10.7	10.9	11.2	11.5	11.8	12.2	12.5	12.8	13.1	13.5	14.3	100
3.9	4.1	4.2	4.3	4.4	4.5	4.7	4.8	4.9	5.1	5.2	5.3	5.6	
12.5	13.1	13.5	13.7	14.2	14.5	14.9	15.4	15.8	16.2	16.6	17.1	18.3	101
4.9	5.2	5.3	5.4	5.6	5.7	5.9	6.1	6.2	6.4	6.5	6.7	7.2	
13.7	14.3	14.7	14.9	15.3	15.6	16.1	16.5	16.8	17.3	17.6	18.0	18.8	102
5.4	5.6	5.8	5.9	6.0	6.2	6.3	6.5	6.6	6.8	6.9	7.1	7.4	
15.6	16.1	16.5	16.8	17.2	17.5	18.0	18.4	18.7	19.1	19.4	19.8	20.7	103
6.1	6.4	6.5	6.6	6.8	6.9	7.1	7.2	7.4	7.5	7.6	7.8	8.2	
19.3	20.1	20.6	20.9	21.3	21.6	22.1	22.5	22.9	23.3	23.5	23.9	24.7	104
7.6	7.9	8.1	8.2	8.4	8.5	8.7	8.9	9.0	9.2	9.3	9.4	9.7	
8.4	9.0	9.2	9.4	9.6	9.8	10.1	10.5	10.7	11.1	11.4	11.8	12.7	105
3.3	3.5	3.6	3.7	3.8	3.9	4.0	4.1	4.2	4.4	4.5	4.7	5.0	
14.5	15.1	15.4	15.6	15.9	16.1	16.4	16.8	17.0	17.4	17.7	18.1	19.0	106
5.7	5.9	6.1	6.1	6.3	6.3	6.5	6.6	6.7	6.9	7.0	7.1	7.5	
19.3	19.8	20.1	20.4	20.7	21.0	21.3	21.7	21.9	22.3	22.5	23.0	24.0	107
7.6	7.8	7.9	8.0	8.1	8.3	8.4	8.5	8.6	8.8	8.9	9.0	9.4	
17.8	18.2	18.5	18.8	19.1	19.3	19.7	20.0	20.3	20.7	21.0	21.4	22.3	108
7.0	7.2	7.3	7.4	7.5	7.6	7.7	7.9	8.0	8.2	8.3	8.4	8.8	

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XLI
STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR OFFICER SERIES

VARIABLE	MEAN	SE (M)	ST DEV	SE (SD)	COEF VAR	SAMPLE SIZE	SYMM ETRY	KURT OSIS
109 LIP PROTRUSION TO WALL	19.35	0.04	1.04	0.03	5.4	548	0.47	3.66
	7.62	0.02	0.41	0.01	5.4	548	0.47	3.66
110 MENTON TO WALL	18.36	0.05	1.16	0.04	6.3	548	0.35	3.19
	7.23	0.02	0.46	0.01	6.3	548	0.35	3.19
111 SAGITTAL CURVATURE	35.16	0.07	1.59	0.05	4.5	548	0.42	3.57
	13.84	0.03	0.63	0.02	4.5	548	0.42	3.57
112 BITRAGON-CORONAL CURVATURE	34.14	0.06	1.44	0.04	4.2	548	0.18	3.08
	13.44	0.02	0.57	0.02	4.2	548	0.18	3.08
113 BIOCLAR BREADTH	9.73	0.02	0.49	0.01	5.0	548	-0.03	2.96
	3.83	0.01	0.19	0.01	5.0	548	-0.03	2.96
114 BIAURICULAR BREADTH	16.01	0.04	0.91	0.03	5.7	548	0.16	3.17
	6.30	0.02	0.36	0.01	5.7	548	0.16	3.17
115 BITRAGON BREADTH	13.06	0.02	0.51	0.02	3.9	548	0.28	3.35
	5.14	0.01	0.20	0.01	3.9	548	0.28	3.35
116 BIZYGOMATIC BREADTH	12.97	0.03	0.59	0.02	4.6	548	0.00	3.03
	5.11	0.01	0.23	0.01	4.6	548	0.00	3.03
117 BIGONIAL BREADTH	10.29	0.02	0.59	0.02	5.7	548	-0.03	3.27
	4.05	0.01	0.23	0.01	5.7	548	-0.03	3.27
118 NASAL BREADTH	3.20	0.01	0.31	0.01	9.5	548	0.53	3.81
	1.26	0.01	0.12	0.00	9.5	548	0.53	3.81
119 LIP LENGTH	4.41	0.02	0.41	0.01	9.2	548	0.18	2.91
	1.74	0.01	0.16	0.00	9.2	548	0.18	2.91
120 MENTON-SUBNASALE LENGTH	5.67	0.02	0.53	0.02	9.5	548	-0.03	2.91
	2.19	0.01	0.21	0.01	9.5	548	-0.03	2.91
121 MENTON-SELLION LENGTH	10.79	0.03	0.62	0.02	5.8	548	-0.03	3.13
	4.25	0.01	0.24	0.01	5.8	548	-0.03	3.13
122 SUBNASALE-SELLION LENGTH	4.69	0.02	0.41	0.01	8.8	548	-0.06	3.05
	1.85	0.01	0.16	0.00	8.8	548	-0.06	3.05
123 EAR LENGTH	5.34	0.02	0.45	0.01	8.5	548	-0.04	3.41
	2.10	0.01	0.18	0.01	8.5	548	-0.04	3.41
124 EAR BREADTH	3.02	0.01	0.32	0.01	10.7	548	-0.16	3.25
	1.19	0.01	0.13	0.00	10.7	548	-0.16	3.25
125 GRIP STRENGTH	30.86	0.25	5.79	0.18	18.8	548	0.01	3.57
	68.04	0.55	12.78	0.39	18.8	548	0.01	3.57
126 WAIST HEIGHT, OVER FOUNDATION GARMENT	101.01	0.23	4.47	0.16	4.4	390	-0.02	2.84
	39.77	0.09	1.76	0.06	4.4	390	-0.02	2.84

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XLI
STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR OFFICER SERIES

PERCENTILES													VAR
1ST	5TH	10TH	15TH	25TH	35TH	50TH	65TH	75TH	85TH	90TH	95TH	99TH	NO
17.3	17.7	18.0	18.3	18.6	18.9	19.3	19.7	20.0	20.4	20.6	21.1	22.3	109
6.8	7.0	7.1	7.2	7.3	7.5	7.6	7.8	7.9	8.0	8.1	8.3	8.8	
16.0	16.5	16.9	17.2	17.5	17.9	18.3	18.7	19.1	19.5	19.8	20.3	21.3	110
6.3	6.5	6.7	6.8	6.9	7.0	7.2	7.4	7.5	7.7	7.8	8.0	8.4	
31.7	32.7	33.2	33.6	34.1	34.5	35.0	35.7	36.1	36.8	37.2	37.9	39.3	111
12.5	12.9	13.1	13.2	13.4	13.6	13.8	14.0	14.2	14.5	14.7	14.9	15.5	
30.9	31.9	32.3	32.7	33.1	33.5	34.1	34.7	35.1	35.7	36.1	36.6	37.7	112
12.2	12.5	12.7	12.9	13.1	13.2	13.4	13.6	13.8	14.0	14.2	14.4	14.8	
8.6	8.9	9.1	9.2	9.4	9.5	9.7	9.9	10.1	10.2	10.4	10.5	10.9	113
3.4	3.5	3.6	3.6	3.7	3.8	3.8	3.9	4.0	4.0	4.1	4.1	4.3	
14.0	14.5	14.8	15.0	15.4	15.6	16.0	16.4	16.6	17.0	17.2	17.5	18.0	114
5.5	5.7	5.8	5.9	6.1	6.2	6.3	6.4	6.6	6.7	6.8	6.9	7.1	
11.9	12.2	12.4	12.5	12.7	12.8	13.0	13.2	13.4	13.6	13.7	13.9	14.3	115
4.7	4.8	4.9	4.9	5.0	5.1	5.1	5.2	5.3	5.4	5.4	5.5	5.6	
11.6	12.0	12.2	12.4	12.6	12.7	13.0	13.2	13.4	13.6	13.8	14.0	14.3	116
4.6	4.7	4.8	4.9	5.0	5.0	5.1	5.2	5.3	5.4	5.4	5.5	5.6	
8.9	9.3	9.6	9.7	9.9	10.1	10.3	10.5	10.7	10.9	11.1	11.3	11.6	117
3.5	3.7	3.8	3.8	3.9	4.0	4.0	4.1	4.2	4.3	4.4	4.4	4.6	
2.5	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.8	4.1	118
1.0	1.1	1.1	1.1	1.2	1.2	1.2	1.3	1.3	1.4	1.4	1.5	1.6	
3.5	3.8	3.9	4.0	4.1	4.2	4.4	4.6	4.7	4.8	4.9	5.1	5.4	119
1.4	1.5	1.5	1.6	1.6	1.7	1.7	1.8	1.8	1.9	1.9	2.0	2.1	
4.3	4.7	4.9	5.0	5.2	5.4	5.6	5.8	5.9	6.1	6.3	6.5	6.8	120
1.7	1.9	1.9	2.0	2.1	2.1	2.2	2.3	2.3	2.4	2.5	2.5	2.7	
9.3	9.8	10.0	10.1	10.4	10.6	10.8	11.0	11.2	11.4	11.6	11.8	12.2	121
3.7	3.8	3.9	4.0	4.1	4.2	4.2	4.3	4.4	4.5	4.6	4.6	4.8	
3.7	4.0	4.2	4.3	4.4	4.5	4.7	4.8	5.0	5.1	5.2	5.4	5.6	122
1.4	1.6	1.6	1.7	1.7	1.8	1.8	1.9	2.0	2.0	2.1	2.1	2.2	
4.2	4.6	4.8	4.9	5.0	5.2	5.3	5.5	5.6	5.8	5.9	6.1	6.4	123
1.7	1.8	1.9	1.9	2.0	2.0	2.1	2.2	2.2	2.3	2.3	2.4	2.5	
2.2	2.5	2.6	2.7	2.8	2.9	3.0	3.2	3.2	3.4	3.4	3.5	3.7	124
0.9	1.0	1.0	1.1	1.1	1.1	1.2	1.2	1.3	1.3	1.4	1.4	1.5	
17.4	21.7	23.8	25.2	27.2	28.7	30.8	32.9	34.5	36.6	38.1	40.5	45.4	125
38.4	47.8	52.5	55.5	59.9	63.3	67.9	72.5	76.1	80.7	84.1	89.3	100.1	
90.2	93.6	95.3	96.4	98.0	99.3	101.0	102.7	104.1	105.7	106.8	108.5	111.2	126
35.5	36.9	37.5	38.0	38.6	39.1	39.8	40.4	41.0	41.6	42.1	42.7	43.8	

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XL1
STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR OFFICER SERIES

VARIABLE	MEAN	SE	ST	SE	COEF	SAMPLE	SYMM	KURT
		(M)	DEV	(SD)	VAR	SIZE	ETRY	OSIS
127 ABDOMINAL EXTENSION HEIGHT, OVER FOUNDATION GARMENT	92.72 36.51	0.23 0.09	4.46 1.76	0.16 0.06	4.8 4.8	390 390	-0.02 -0.02	2.99 2.99
128 WAIST CIRCUMFERENCE, OVER FOUNDATION GARMENT	68.16 26.83	0.32 0.13	6.34 2.50	0.23 0.09	9.3 9.3	390 390	0.55 0.55	2.84 2.84
129 ABDOMINAL EXTENSION CIRCUMFER- ENCE OVER FOUNDATION GARMENT	90.57 35.66	0.42 0.17	8.32 3.28	0.30 0.12	9.2 9.2	390 390	0.58 0.58	3.26 3.26
130 HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST, OVER FOUNDATION	95.79 37.71	0.33 0.13	6.49 2.56	0.23 0.09	6.8 6.8	390 390	0.63 0.63	3.53 3.53
131 HIP CIRCUMFERENCE-NINE INCHES BELOW WAIST, OVER FOUNDATION	97.25 38.29	0.32 0.13	6.42 2.53	0.23 0.09	6.6 6.6	390 390	0.49 0.49	3.44 3.44
132 WAIST BREADTH, OVER FOUNDATION GARMENT	22.05 8.68	0.11 0.04	2.22 0.87	0.08 0.03	10.1 10.1	390 390	0.54 0.54	3.26 3.26
133 HIP BREADTH, OVER FOUNDATION GARMENT	34.47 13.57	0.12 0.05	2.30 0.91	0.08 0.03	6.7 6.7	390 390	0.44 0.44	3.48 3.48
134 WAIST DEPTH, OVER FOUNDATION GARMENT	16.46 6.48	0.12 0.05	2.27 0.89	0.08 0.03	13.8 13.8	390 390	0.81 0.81	3.41 3.41
135 ABDOMINAL EXTENSION DEPTH, OVER FOUNDATION GARMENT	20.95 8.25	0.15 0.06	2.91 1.15	0.10 0.04	13.9 13.9	390 390	0.61 0.61	3.05 3.05
136 BUTTOCK DEPTH, OVER FOUNDATION GARMENT	22.46 8.84	0.12 0.05	2.33 0.92	0.08 0.03	10.4 10.4	390 390	0.67 0.67	3.23 3.23
137 BUTTOCK CIRCUMFERENCE, SIT- TING, OVER FOUNDATION GARMENT	102.29 40.27	0.35 0.14	7.01 2.76	0.25 0.10	6.9 6.9	390 390	0.56 0.56	3.44 3.44
138 THIGH-TO-THIGH BREADTH, SIT- TING, OVER FOUNDATION GARMENT	38.36 15.10	0.15 0.06	2.89 1.14	0.10 0.04	7.5 7.5	390 390	0.35 0.35	3.12 3.12
139 STATURE AS REPORTED BY SUBJECTS	165.22 65.05	0.27 0.11	6.42 2.53	0.19 0.08	3.9 3.9	547 547	-0.03 -0.03	2.54 2.54
140 WEIGHT AS REPORTED BY SUBJECTS	59.22 130.57	0.33 0.74	7.81 17.22	0.24 0.52	13.2 13.2	548 548	0.59 0.59	3.34 3.34

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XLI
STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR OFFICER SERIES

PERCENTILES													VAR
1ST	5TH	10TH	15TH	25TH	35TH	50TH	65TH	75TH	85TH	90TH	95TH	99TH	NO
82.3	85.3	86.9	88.1	89.7	91.0	92.7	94.4	95.7	97.3	98.4	100.1	103.4	127
32.4	33.6	34.2	34.7	35.3	35.8	36.5	37.2	37.7	38.3	38.8	39.4	40.7	
57.3	59.3	60.6	61.6	63.3	64.9	67.4	70.1	72.3	75.1	77.1	79.9	84.5	128
22.6	23.3	23.8	24.2	24.9	25.6	26.5	27.6	28.5	29.6	30.4	31.5	33.3	
75.9	78.6	80.6	82.1	84.5	86.6	89.7	92.9	95.6	99.1	101.7	105.7	114.5	129
29.9	30.9	31.7	32.3	33.3	34.1	35.3	36.6	37.6	39.0	40.0	41.6	45.1	
83.5	86.2	87.9	89.2	91.2	92.9	95.2	97.6	99.6	102.2	104.2	107.5	115.1	130
32.9	33.9	34.6	35.1	35.9	36.6	37.5	38.4	39.2	40.3	41.0	42.3	45.3	
84.7	87.6	89.4	90.7	92.8	94.5	96.8	99.2	101.1	103.7	105.6	108.7	116.0	131
33.4	34.5	35.2	35.7	36.5	37.2	38.1	39.1	39.8	40.8	41.6	42.8	45.7	
18.0	18.8	19.3	19.7	20.4	21.0	21.9	22.8	23.5	24.4	25.0	25.9	27.7	132
7.1	7.4	7.6	7.8	8.0	8.3	8.6	9.0	9.2	9.6	9.8	10.2	10.9	
29.7	30.8	31.6	32.1	32.9	33.5	34.4	35.2	35.8	36.7	37.3	38.4	41.2	133
11.7	12.1	12.4	12.7	13.0	13.2	13.5	13.9	14.1	14.5	14.7	15.1	16.2	
12.7	13.5	13.9	14.2	14.7	15.2	16.1	17.0	17.9	19.0	19.7	20.9	22.9	134
5.0	5.3	5.5	5.6	5.8	6.0	6.3	6.7	7.0	7.5	7.8	8.2	9.0	
15.9	16.9	17.5	18.0	18.8	19.5	20.6	21.8	22.8	24.1	25.0	26.4	28.8	135
6.3	6.6	6.9	7.1	7.4	7.7	8.1	8.6	9.0	9.5	9.8	10.4	11.3	
18.3	19.2	19.7	20.1	20.7	21.3	22.1	23.1	23.9	24.9	25.7	26.8	29.0	136
7.2	7.6	7.8	7.9	8.2	8.4	8.7	9.1	9.4	9.8	10.1	10.6	11.4	
88.8	91.8	93.8	95.2	97.3	99.2	101.7	104.4	106.5	109.4	111.5	114.9	122.4	137
34.9	36.2	36.9	37.5	38.3	39.0	40.0	41.1	41.9	43.1	43.9	45.2	48.2	
32.1	33.9	34.8	35.4	36.4	37.1	38.2	39.3	40.2	41.3	42.2	43.4	46.0	138
12.6	13.3	13.7	14.0	14.3	14.6	15.0	15.5	15.8	16.3	16.6	17.1	18.1	
151.4	154.1	156.5	158.2	160.9	163.0	165.8	168.4	170.3	172.4	173.8	175.9	180.3	139
59.6	60.7	61.6	62.3	63.3	64.2	65.3	66.3	67.0	67.9	68.4	69.2	71.0	
44.6	47.6	49.6	51.1	53.5	55.5	58.3	61.4	63.9	67.1	69.4	73.1	80.9	140
98.4	105.0	109.4	112.7	117.9	122.3	128.6	135.4	140.8	147.9	153.1	161.2	178.3	

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XLII
STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR ENLISTED SERIES

VARIABLE	MEAN	SE (M)	ST DEV	SE (SD)	COEF VAR	SAMPLE SIZE	SYMM ETRY	KURT OSIS
1 AGE	20.87	0.10	3.62	0.07	17.4	1357	4.13	24.03
2 WEIGHT	56.96 125.57	0.19 0.42	7.00 15.44	0.13 0.30	12.3 12.3	1357 1357	0.59 0.59	4.18 4.18
3 TRICEPS SKINFOLD	1.87 0.74	0.01 0.01	0.52 0.21	0.01 0.00	27.9 27.9	1357 1357	0.35 0.35	3.25 3.25
4 SUBSCAPULAR SKINFOLD	1.25 0.49	0.01 0.00	0.44 0.18	0.01 0.00	35.6 35.6	1357 1357	1.31 1.31	5.41 5.41
5 SUPRAILIAIC SKINFOLD	1.97 0.78	0.02 0.01	0.67 0.26	0.01 0.01	33.9 33.9	1357 1357	0.42 0.42	3.14 3.14
6 MEDIAL CALF SKINFOLD	1.60 0.63	0.01 0.01	0.50 0.20	0.01 0.00	31.2 31.2	1357 1357	0.13 0.13	3.51 3.51
7 STATURE	161.84 63.71	0.16 0.06	5.90 2.32	0.11 0.04	3.6 3.6	1357 1357	0.22 0.22	2.80 2.80
8 STATURE, MAXIMUM	162.48 63.97	0.16 0.06	5.91 2.33	0.11 0.04	3.6 3.6	1357 1357	0.22 0.22	2.82 2.82
9 CERVICALE HEIGHT	139.01 54.73	0.15 0.06	5.43 2.14	0.10 0.04	3.9 3.9	1357 1357	0.22 0.22	2.78 2.78
10 ACROMIAL HEIGHT	131.66 51.83	0.15 0.06	5.41 2.13	0.10 0.04	4.1 4.1	1357 1357	0.22 0.22	2.85 2.85
11 SUPRASTERNALE HEIGHT	131.82 51.90	0.14 0.06	5.23 2.06	0.10 0.04	4.0 4.0	1357 1357	0.22 0.22	2.83 2.83
12 BUSTPOINT HEIGHT	118.28 46.57	0.14 0.06	5.18 2.04	0.10 0.04	4.4 4.4	1357 1357	0.27 0.27	2.99 2.99
13 WAIST HEIGHT	100.12 39.42	0.12 0.05	4.47 1.76	0.09 0.03	4.5 4.5	1357 1357	0.19 0.19	2.88 2.88
14 ABDOMINAL EXTENSION HEIGHT	93.15 36.67	0.12 0.05	4.36 1.72	0.08 0.03	4.7 4.7	1357 1357	0.18 0.18	2.88 2.88
15 TROCHANTERIC HEIGHT	82.64 32.53	0.11 0.05	4.21 1.66	0.08 0.03	5.1 5.1	1357 1357	0.13 0.13	2.91 2.91
16 BUTTOCK HEIGHT	82.27 32.39	0.11 0.04	4.12 1.62	0.08 0.03	5.0 5.0	1357 1357	0.15 0.15	2.98 2.98
17 GLUTEAL FURROW HEIGHT	72.77 28.65	0.11 0.04	3.93 1.55	0.08 0.03	5.4 5.4	1357 1357	0.18 0.18	2.92 2.92
18 TIBIALE HEIGHT	41.95 16.51	0.06 0.02	2.32 0.91	0.04 0.02	5.5 5.5	1357 1357	0.24 0.24	3.04 3.04

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XLII
STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR ENLISTED SERIES

PERCENTILES													VAR NO
1ST	5TH	10TH	15TH	25TH	35TH	50TH	65TH	75TH	85TH	90TH	95TH	99TH	
18.0	18.2	18.4	18.6	19.0	19.4	19.9	20.7	21.3	22.4	23.4	25.6	40.4	1
43.7	46.0	48.1	49.7	52.1	54.1	56.7	59.3	61.2	63.7	65.5	68.5	76.1	2
96.3	101.4	106.0	109.5	114.9	119.3	125.1	130.7	134.9	140.4	144.3	151.0	167.7	
0.8	1.0	1.2	1.3	1.5	1.6	1.8	2.0	2.2	2.4	2.5	2.8	3.2	3
0.3	0.4	0.5	0.5	0.6	0.6	0.7	0.8	0.9	0.9	1.0	1.1	1.3	
0.6	0.7	0.8	0.8	0.9	1.0	1.1	1.3	1.5	1.7	1.8	2.1	2.7	4
0.2	0.3	0.3	0.3	0.4	0.4	0.5	0.5	0.6	0.7	0.7	0.8	1.1	
0.7	0.9	1.1	1.3	1.5	1.7	1.9	2.2	2.4	2.7	2.8	3.1	3.7	5
0.3	0.4	0.4	0.5	0.6	0.7	0.8	0.9	0.9	1.0	1.1	1.2	1.5	
0.3	0.8	1.0	1.1	1.3	1.4	1.6	1.8	1.9	2.1	2.2	2.4	2.8	6
0.1	0.3	0.4	0.4	0.5	0.6	0.6	0.7	0.7	0.8	0.9	1.0	1.1	
149.6	152.5	154.3	155.6	157.6	159.3	161.6	164.0	165.8	168.1	169.6	171.9	176.2	7
58.9	60.0	60.7	61.2	62.0	62.7	63.6	64.6	65.3	66.2	66.8	67.7	69.4	
150.1	153.0	154.9	156.2	158.2	159.9	162.3	164.6	166.4	168.7	170.2	172.5	176.8	8
59.1	60.2	61.0	61.5	62.3	63.0	63.9	64.8	65.5	66.4	67.0	67.9	69.6	
127.8	130.4	132.0	133.3	135.1	136.7	138.8	141.0	142.6	144.6	146.1	148.2	152.4	9
50.3	51.3	52.0	52.5	53.2	53.8	54.6	55.5	56.1	56.9	57.5	58.3	60.0	
120.0	123.1	124.8	126.0	127.8	129.3	131.4	133.6	135.3	137.4	138.8	140.9	144.6	10
47.3	48.5	49.1	49.6	50.3	50.9	51.7	52.6	53.2	54.1	54.7	55.5	56.9	
120.7	123.5	125.1	126.3	128.1	129.6	131.6	133.7	135.3	137.3	138.7	140.7	144.4	11
47.5	48.6	49.3	49.7	50.4	51.0	51.8	52.6	53.3	54.1	54.6	55.4	56.9	
106.9	110.2	111.9	113.0	114.6	116.0	118.0	120.1	121.7	123.8	125.2	127.4	131.0	12
42.1	43.4	44.0	44.5	45.1	45.7	46.4	47.3	47.9	48.7	49.3	50.1	51.6	
90.7	93.0	94.4	95.4	97.0	98.2	99.9	101.7	103.1	104.8	106.0	107.8	111.1	13
35.7	36.6	37.2	37.6	38.2	38.7	39.3	40.0	40.6	41.3	41.7	42.4	43.7	
83.6	86.3	87.7	88.6	90.1	91.3	93.0	94.7	96.0	97.8	99.0	100.7	103.8	14
32.9	34.0	34.5	34.9	35.5	35.9	36.6	37.3	37.8	38.5	39.0	39.6	40.9	
73.2	75.7	77.2	78.2	79.7	80.9	82.6	84.2	85.4	87.0	88.1	89.7	92.9	15
28.8	29.8	30.4	30.8	31.4	31.9	32.5	33.1	33.6	34.3	34.7	35.3	36.6	
73.5	75.7	77.0	77.9	79.3	80.5	82.1	83.8	85.1	86.6	87.7	89.3	92.1	16
28.9	29.8	30.3	30.7	31.2	31.7	32.3	33.0	33.5	34.1	34.5	35.1	36.2	
64.4	66.6	67.8	68.7	70.0	71.1	72.6	74.2	75.4	77.0	78.0	79.5	82.1	17
25.4	26.2	26.7	27.0	27.6	28.0	28.6	29.2	29.7	30.3	30.7	31.3	32.3	
37.0	38.3	39.0	39.6	40.3	41.0	41.8	42.8	43.5	44.4	45.0	46.0	47.8	18
14.6	15.1	15.4	15.6	15.9	16.1	16.5	16.8	17.1	17.5	17.7	18.1	18.8	

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XLII
STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR ENLISTED SERIES

VARIABLE	MEAN	SE (M)	ST DEV (SD)	SE	COEF VAR	SAMPLE SIZE	SYMM ETRY	KURT OSIS
19 CROTCH HEIGHT	74.55	0.11	3.97	0.08	5.3	1357	0.19	2.95
	29.25	0.04	1.56	0.03	5.3	1357	0.19	2.95
20 ANKLE HEIGHT	11.19	0.04	1.35	0.03	12.0	1357	0.51	3.15
	4.40	0.01	0.53	0.01	12.0	1357	0.51	3.15
21 LATERAL MALLEOLUS HEIGHT	6.77	0.02	0.58	0.01	8.6	1357	0.06	3.28
	2.66	0.01	0.23	0.00	8.6	1357	0.06	3.28
22 SITTING HEIGHT, RELAXED	83.98	0.09	3.23	0.06	3.8	1357	0.08	2.80
	33.06	0.03	1.27	0.02	3.8	1357	0.08	2.80
23 SITTING HEIGHT	85.35	0.08	3.13	0.06	3.7	1357	0.11	2.77
	33.60	0.03	1.23	0.02	3.7	1357	0.11	2.77
24 EYE HEIGHT, SITTING	73.42	0.08	3.01	0.06	4.1	1357	0.09	2.92
	28.91	0.03	1.18	0.02	4.1	1357	0.09	2.92
25 MIDSHOULDER HEIGHT, SITTING	57.79	0.07	2.62	0.05	4.5	1357	0.16	2.84
	22.75	0.03	1.03	0.02	4.5	1357	0.16	2.84
26 WAIST HEIGHT, SITTING	23.21	0.05	1.73	0.03	7.5	1357	-0.03	2.96
	9.14	0.02	0.68	0.01	7.5	1357	-0.03	2.96
27 ELBOW REST HEIGHT	22.62	0.07	2.48	0.05	11.0	1357	0.08	2.76
	8.91	0.03	0.98	0.02	11.0	1357	0.08	2.76
28 POPLITEAL HEIGHT	41.07	0.05	1.83	0.04	4.5	1357	0.00	3.59
	16.17	0.02	0.72	0.01	4.5	1357	0.00	3.59
29 BUTTOCK-POPLITEAL LENGTH	47.62	0.08	2.77	0.05	5.8	1357	0.35	3.14
	18.75	0.03	1.09	0.02	5.8	1357	0.35	3.14
30 BUTTOCK-KNEE LENGTH	57.36	0.07	2.64	0.05	4.6	1357	0.16	2.88
	22.58	0.03	1.04	0.02	4.6	1357	0.16	2.88
31 ACROMION-RADIALE LENGTH	30.95	0.04	1.61	0.03	5.2	1357	0.03	3.07
	12.19	0.02	0.64	0.01	5.2	1357	0.03	3.07
32 RADIALE-STYLION LENGTH	23.40	0.04	1.37	0.03	5.8	1357	0.20	3.03
	9.21	0.01	0.54	0.01	5.8	1357	0.20	3.03
33 THUMB-TIP REACH	74.06	0.11	3.88	0.07	5.2	1357	0.11	3.03
	29.16	0.04	1.53	0.03	5.2	1357	0.11	3.03
34 THUMB-TIP REACH, EXTENDED	83.65	0.13	4.87	0.09	5.8	1357	0.23	2.86
	32.93	0.05	1.92	0.04	5.8	1357	0.23	2.86
35 OVERHEAD REACH	199.16	0.23	8.49	0.16	4.3	1357	0.12	2.76
	78.41	0.09	3.34	0.06	4.3	1357	0.12	2.76
36 NECK CIRCUMFERENCE	33.64	0.04	1.61	0.03	4.8	1357	0.23	3.14
	13.24	0.02	0.63	0.01	4.8	1357	0.23	3.14

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XLII
STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR ENLISTED SERIES

PERCENTILES													VAR
1ST	5TH	10TH	15TH	25TH	35TH	50TH	65TH	75TH	85TH	90TH	95TH	99TH	NO
66.0	68.3	69.6	70.5	71.8	72.9	74.4	76.0	77.2	78.8	79.8	81.4	84.2	19
26.0	26.9	27.4	27.7	28.3	28.7	29.3	29.9	30.4	31.0	31.4	32.1	33.1	
8.8	9.2	9.5	9.8	10.2	10.6	11.1	11.6	12.1	12.6	13.0	13.6	14.8	20
3.5	3.6	3.7	3.8	4.0	4.2	4.4	4.6	4.7	5.0	5.1	5.4	5.8	
5.3	5.8	6.0	6.2	6.4	6.6	6.8	7.0	7.2	7.4	7.6	7.8	8.3	21
2.1	2.3	2.4	2.4	2.5	2.6	2.7	2.8	2.8	2.9	3.0	3.1	3.3	
77.1	78.7	79.7	80.5	81.7	82.7	84.0	85.3	86.2	87.4	88.1	89.3	91.6	22
30.3	31.0	31.4	31.7	32.2	32.6	33.1	33.6	33.9	34.4	34.7	35.2	36.0	
78.6	80.2	81.3	82.0	83.1	84.0	85.3	86.5	87.5	88.7	89.4	90.6	92.7	23
31.0	31.6	32.0	32.3	32.7	33.1	33.6	34.1	34.4	34.9	35.2	35.7	36.5	
66.6	68.5	69.6	70.3	71.4	72.2	73.4	74.5	75.4	76.5	77.3	78.4	80.8	24
26.2	27.0	27.4	27.7	28.1	28.4	28.9	29.3	29.7	30.1	30.4	30.9	31.8	
52.1	53.6	54.4	55.0	55.9	56.7	57.7	58.8	59.5	60.5	61.2	62.2	64.0	25
20.5	21.1	21.4	21.7	22.0	22.3	22.7	23.1	23.4	23.8	24.1	24.5	25.2	
19.0	20.3	21.0	21.4	22.0	22.5	23.2	23.9	24.4	25.0	25.5	26.1	27.3	26
7.5	8.0	8.3	8.4	8.7	8.9	9.1	9.4	9.6	9.9	10.0	10.3	10.7	
17.2	18.6	19.4	20.0	20.9	21.6	22.6	23.6	24.3	25.2	25.8	26.8	28.7	27
6.8	7.3	7.6	7.9	8.2	8.5	8.9	9.3	9.6	9.9	10.2	10.6	11.3	
36.6	38.0	38.7	39.2	39.9	40.4	41.1	41.7	42.2	42.8	43.3	44.0	45.8	28
14.4	15.0	15.3	15.4	15.7	15.9	16.2	16.4	16.6	16.9	17.0	17.3	18.0	
42.0	43.4	44.2	44.8	45.7	46.4	47.4	48.5	49.4	50.5	51.3	52.5	55.0	29
16.5	17.1	17.4	17.6	18.0	18.3	18.7	19.1	19.4	19.9	20.2	20.7	21.7	
51.8	53.2	54.0	54.6	55.5	56.2	57.3	58.3	59.1	60.1	60.8	61.9	63.7	30
20.4	21.0	21.3	21.5	21.8	22.1	22.5	23.0	23.3	23.7	24.0	24.4	25.1	
27.3	28.3	28.9	29.3	29.9	30.3	30.9	31.6	32.0	32.6	33.0	33.6	34.8	31
10.8	11.2	11.4	11.5	11.8	11.9	12.2	12.4	12.6	12.8	13.0	13.2	13.7	
20.3	21.2	21.7	22.0	22.4	22.8	23.3	23.9	24.3	24.8	25.2	25.8	27.0	32
8.0	8.3	8.5	8.7	8.8	9.0	9.2	9.4	9.6	9.8	9.9	10.1	10.6	
65.4	67.7	69.0	70.0	71.4	72.5	74.1	75.5	76.6	78.0	79.0	80.4	83.5	33
25.8	26.6	27.2	27.5	28.1	28.6	29.2	29.7	30.2	30.7	31.1	31.7	32.9	
73.3	75.9	77.4	78.5	80.2	81.6	83.5	85.4	86.9	88.8	90.1	92.1	96.0	34
28.8	29.9	30.5	30.9	31.6	32.1	32.9	33.6	34.2	34.9	35.5	36.2	37.8	
181.5	185.3	188.0	190.0	193.1	195.6	199.1	202.5	205.0	208.1	210.2	213.1	218.6	35
71.4	73.0	74.0	74.8	76.0	77.0	78.4	79.7	80.7	81.9	82.7	83.9	86.1	
30.2	31.0	31.5	31.9	32.5	33.0	33.6	34.2	34.7	35.2	35.7	36.3	37.9	36
11.9	12.2	12.4	12.6	12.8	13.0	13.2	13.5	13.6	13.9	14.0	14.3	14.9	

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XLII
STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR ENLISTED SERIES

VARIABLE	MEAN	SE (M)	ST DEV (SD)	SE	COEF VAR	SAMPLE SIZE	SYMM ETRY	KURT OSIS
37 SHOULDER CIRCUMFERENCE	99.88 39.32	0.13 0.05	4.85 1.91	0.09 0.04	4.9 4.9	1357 1357	0.45 0.45	3.49 3.49
38 CHEST CIRCUMFERENCE AT SCYE	83.58 32.90	0.12 0.05	4.59 1.81	0.09 0.03	5.5 5.5	1357 1357	0.58 0.58	3.95 3.95
39 BUST CIRCUMFERENCE	88.99 35.04	0.14 0.06	5.15 2.03	0.10 0.04	5.8 5.8	1357 1357	0.65 0.65	3.95 3.95
40 CHEST CIRCUMFERENCE BELOW BUST	73.83 29.07	0.12 0.05	4.44 1.75	0.09 0.03	6.0 6.0	1357 1357	0.58 0.58	3.93 3.93
41 WAIST CIRCUMFERENCE	66.79 26.30	0.13 0.05	4.96 1.95	0.10 0.04	7.4 7.4	1357 1357	0.80 0.80	4.53 4.53
42 ABDOMINAL EXTENSION CIRCUM- FERENCE	84.71 33.35	0.18 0.07	6.71 2.64	0.13 0.05	7.9 7.9	1357 1357	0.56 0.56	4.27 4.27
43 HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST LEVEL	93.05 36.63	0.14 0.06	5.20 2.05	0.10 0.04	5.6 5.6	1357 1357	0.40 0.40	3.96 3.96
44 HIP CIRCUMFERENCE-NINE INCHES BELOW WAIST LEVEL	94.63 37.26	0.16 0.06	5.76 2.27	0.11 0.04	6.1 6.1	1357 1357	0.22 0.22	3.57 3.57
45 UPPER THIGH CIRCUMFERENCE	55.14 21.71	0.11 0.04	4.06 1.60	0.08 0.03	7.4 7.4	1357 1357	0.26 0.26	3.50 3.50
46 KNEE CIRCUMFERENCE	36.15 14.23	0.06 0.02	2.16 0.85	0.04 0.02	6.0 6.0	1357 1357	0.32 0.32	3.26 3.26
47 CALF CIRCUMFERENCE, RIGHT	34.07 13.41	0.06 0.02	2.21 0.87	0.04 0.02	6.5 6.5	1357 1357	0.17 0.17	3.28 3.28
48 CALF CIRCUMFERENCE, LEFT	34.14 13.44	0.06 0.02	2.24 0.88	0.04 0.02	6.5 6.5	1357 1357	0.10 0.10	3.21 3.21
49 ANKLE CIRCUMFERENCE	21.11 8.31	0.03 0.01	1.28 0.50	0.02 0.01	6.1 6.1	1357 1357	0.23 0.23	2.97 2.97
50 VERTICAL TRUNK CIRCUMFERENCE	153.56 60.45	0.18 0.07	6.57 2.59	0.13 0.05	4.3 4.3	1357 1357	0.22 0.22	2.94 2.94
51 VERTICAL TRUNK CIRCUMFERENCE, SITTING	149.35 58.80	0.17 0.07	6.33 2.49	0.12 0.05	4.2 4.2	1357 1357	0.16 0.16	2.86 2.86
52 BUTTOCK CIRCUMFERENCE, SITTING	99.23 39.07	0.15 0.06	5.55 2.19	0.11 0.04	5.6 5.6	1357 1357	0.42 0.42	3.89 3.89
53 SCYE CIRCUMFERENCE	36.83 14.50	0.06 0.02	2.17 0.86	0.04 0.02	5.9 5.9	1357 1357	0.30 0.30	3.29 3.29
54 AXILLARY ARM CIRCUMFERENCE	27.17 10.70	0.06 0.02	2.20 0.87	0.04 0.02	8.1 8.1	1357 1357	0.29 0.29	3.24 3.24

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XLII
STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR ENLISTED SERIES

PERCENTILES													VAR
1ST	5TH	10TH	15TH	25TH	35TH	50TH	65TH	75TH	85TH	90TH	95TH	99TH	NO
90.2	92.5	93.9	94.9	96.4	97.7	99.6	101.4	102.9	104.8	106.2	108.2	112.4	37
35.5	36.4	37.0	37.4	38.0	38.5	39.2	39.9	40.5	41.3	41.8	42.6	44.3	
73.9	76.6	78.1	79.0	80.5	81.6	83.2	84.9	86.2	88.0	89.4	91.7	97.0	38
29.1	30.2	30.7	31.1	31.7	32.1	32.8	33.4	33.9	34.7	35.2	36.1	38.2	
78.5	81.3	82.8	83.9	85.4	86.7	88.5	90.4	92.0	94.1	95.7	98.2	103.5	39
30.9	32.0	32.6	33.0	33.6	34.1	34.8	35.6	36.2	37.1	37.7	38.7	40.8	
64.8	67.2	68.5	69.4	70.7	71.9	73.5	75.1	76.5	78.3	79.6	81.6	86.0	40
25.5	26.4	27.0	27.3	27.9	28.3	28.9	29.6	30.1	30.8	31.3	32.1	33.9	
57.7	59.5	60.8	61.8	63.3	64.6	66.3	68.1	69.6	71.6	73.0	75.5	81.6	41
22.7	23.4	23.9	24.3	24.9	25.4	26.1	26.8	27.4	28.2	28.8	29.7	32.1	
71.1	74.3	76.4	77.9	80.2	82.0	84.4	86.8	88.7	91.1	92.9	96.0	103.6	42
28.0	29.2	30.1	30.7	31.6	32.3	33.2	34.2	34.9	35.9	36.6	37.8	40.8	
81.3	84.7	86.6	87.8	89.6	91.0	92.9	94.7	96.2	98.1	99.4	101.7	106.7	43
32.0	33.4	34.1	34.6	35.3	35.8	36.6	37.3	37.9	38.6	39.2	40.0	42.0	
81.3	85.2	87.3	88.8	90.8	92.4	94.5	96.6	98.2	100.2	101.7	104.1	109.6	44
32.0	33.5	34.4	34.9	35.8	36.4	37.2	38.0	38.7	39.5	40.0	41.0	43.1	
46.2	48.6	50.0	51.0	52.4	53.5	55.0	56.6	57.7	59.2	60.3	61.8	65.2	45
18.2	19.1	19.7	20.1	20.6	21.1	21.7	22.3	22.7	23.3	23.7	24.3	25.7	
31.5	32.8	33.5	33.9	34.7	35.2	36.0	36.9	37.5	38.4	39.0	39.9	41.7	46
12.4	12.9	13.2	13.4	13.6	13.9	14.2	14.5	14.8	15.1	15.3	15.7	16.4	
29.2	30.5	31.3	31.8	32.6	33.2	34.0	34.9	35.5	36.3	36.9	37.7	39.5	47
11.5	12.0	12.3	12.5	12.8	13.1	13.4	13.7	14.0	14.3	14.5	14.9	15.6	
28.9	30.5	31.3	31.9	32.6	33.3	34.1	35.0	35.6	36.4	37.0	37.8	39.4	48
11.4	12.0	12.3	12.5	12.9	13.1	13.4	13.8	14.0	14.3	14.6	14.9	15.5	
18.4	19.1	19.5	19.8	20.2	20.6	21.1	21.6	22.0	22.5	22.8	23.3	24.4	49
7.2	7.5	7.7	7.8	8.0	8.1	8.3	8.5	8.6	8.8	9.0	9.2	9.6	
140.1	142.9	145.0	146.6	148.9	150.9	153.4	155.9	157.8	160.2	161.9	164.5	170.5	50
55.1	56.3	57.1	57.7	58.6	59.4	60.4	61.4	62.1	63.1	63.7	64.8	67.1	
136.1	139.1	141.1	142.6	144.9	146.7	149.2	151.7	153.6	155.9	157.5	159.8	164.5	51
53.6	54.8	55.6	56.1	57.0	57.8	58.7	59.7	60.5	61.4	62.0	62.9	64.8	
87.0	90.4	92.3	93.6	95.5	97.0	99.0	101.0	102.6	104.6	106.1	108.5	114.3	52
34.2	35.6	36.3	36.9	37.6	38.2	39.0	39.8	40.4	41.2	41.8	42.7	45.0	
32.1	33.4	34.1	34.6	35.3	35.9	36.7	37.5	38.2	39.0	39.7	40.6	42.6	53
12.6	13.2	13.4	13.6	13.9	14.1	14.4	14.8	15.0	15.4	15.6	16.0	16.8	
22.5	23.7	24.4	24.9	25.6	26.2	27.1	27.9	28.6	29.4	30.0	30.9	32.8	54
8.9	9.3	9.6	9.8	10.1	10.3	10.7	11.0	11.2	11.6	11.8	12.2	12.9	

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XLII
STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR ENLISTED SERIES

VARIABLE	MEAN	SE (M)	ST DEV	SE (SD)	COEF VAR	SAMPLE SIZE	SYMM ETRY	KURT OSIS
55 BICEPS CIRCUMFERENCE, RELAXED, RIGHT	25.32 9.97	0.06 0.02	2.14 0.84	0.04 0.02	8.5 8.5	1357 1357	0.53 0.53	4.26 4.26
56 BICEPS CIRCUMFERENCE, FLEXED, RIGHT	26.51 10.44	0.06 0.02	2.17 0.85	0.04 0.02	8.2 8.2	1357 1357	0.54 0.54	4.35 4.35
57 BICEPS CIRCUMFERENCE, RELAXED, LEFT	25.35 9.98	0.06 0.02	2.21 0.87	0.04 0.02	8.7 8.7	1357 1357	0.50 0.50	4.23 4.23
58 BICEPS CIRCUMFERENCE, FLEXED, LEFT	26.22 10.32	0.06 0.02	2.20 0.87	0.04 0.02	8.4 8.4	1357 1357	0.53 0.53	4.42 4.42
59 ELBOW CIRCUMFERENCE, FLEXED	26.95 10.61	0.05 0.02	1.76 0.69	0.03 0.01	6.5 6.5	1357 1357	0.23 0.23	3.35 3.35
60 FOREARM CIRCUMFERENCE, RELAXED	23.38 9.20	0.04 0.01	1.34 0.53	0.03 0.01	5.7 5.7	1357 1357	0.32 0.32	3.56 3.56
61 FOREARM CIRCUMFERENCE, FLEXED	24.89 9.80	0.04 0.02	1.49 0.59	0.03 0.01	6.0 6.0	1357 1357	0.28 0.28	3.54 3.54
62 WRIST CIRCUMFERENCE	14.96 5.89	0.02 0.01	0.70 0.28	0.01 0.01	4.7 4.7	1357 1357	0.25 0.25	3.15 3.15
63 BIACROMIAL BREADTH	35.74 14.07	0.04 0.02	1.63 0.64	0.03 0.01	4.6 4.6	1357 1357	0.10 0.10	3.23 3.23
64 BIDELOID BREADTH	41.65 16.40	0.06 0.02	2.21 0.87	0.04 0.02	5.3 5.3	1357 1357	0.20 0.20	3.38 3.38
65 CHEST BREADTH	27.78 10.94	0.05 0.02	1.79 0.70	0.03 0.01	6.4 6.4	1357 1357	0.40 0.40	3.38 3.38
66 BUSTPOINT-TO-BUSTPOINT BREADTH	18.43 7.26	0.04 0.02	1.52 0.60	0.03 0.01	8.2 8.2	1357 1357	0.09 0.09	3.41 3.41
67 WAIST BREADTH	24.05 9.47	0.05 0.02	1.83 0.72	0.04 0.01	7.6 7.6	1357 1357	0.48 0.48	3.50 3.50
68 HIP BREADTH	34.76 13.68	0.06 0.02	2.14 0.84	0.04 0.02	6.1 6.1	1357 1357	0.33 0.33	3.46 3.46
69 THIGH-TO-THIGH BREADTH, SITTING	37.79 14.88	0.07 0.03	2.70 1.06	0.05 0.02	7.1 7.1	1357 1357	0.33 0.33	3.42 3.42
70 HUMERAL BREADTH, RIGHT	6.12 2.41	0.01 0.00	0.30 0.12	0.01 0.00	5.0 5.0	1357 1357	0.17 0.17	3.20 3.20
71 HUMERAL BREADTH, LEFT	6.09 2.40	0.01 0.00	0.30 0.12	0.01 0.00	4.9 4.9	1357 1357	0.07 0.07	3.09 3.09
72 FEMORAL BREADTH, RIGHT	8.08 3.18	0.01 0.00	0.45 0.18	0.01 0.00	5.5 5.5	1357 1357	0.12 0.12	3.26 3.26

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XLII
STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR ENLISTED SERIES

PERCENTILES													VAR NO
1ST	5TH	10TH	15TH	25TH	35TH	50TH	65TH	75TH	85TH	90TH	95TH	99TH	
20.9	22.0	22.7	23.1	23.8	24.4	25.2	26.0	26.6	27.5	28.1	29.0	30.8	55
8.2	8.7	8.9	9.1	9.4	9.6	9.9	10.2	10.5	10.8	11.1	11.4	12.1	
22.0	23.2	23.8	24.3	25.0	25.6	26.4	27.2	27.8	28.7	29.3	30.2	32.0	56
8.7	9.1	9.4	9.6	9.8	10.1	10.4	10.7	11.0	11.3	11.5	11.9	12.6	
20.6	21.9	22.6	23.1	23.8	24.4	25.2	26.0	26.7	27.6	28.2	29.1	30.9	57
8.1	8.6	8.9	9.1	9.4	9.6	9.9	10.3	10.5	10.9	11.1	11.5	12.2	
21.6	22.8	23.5	24.0	24.7	25.3	26.1	26.9	27.5	28.3	28.9	29.9	32.1	58
8.5	9.0	9.2	9.4	9.7	10.0	10.3	10.6	10.8	11.2	11.4	11.8	12.6	
22.9	24.1	24.7	25.1	25.7	26.2	26.9	27.6	28.1	28.8	29.2	29.9	31.3	59
9.0	9.5	9.7	9.9	10.1	10.3	10.6	10.8	11.1	11.3	11.5	11.8	12.3	
20.5	21.2	21.7	22.0	22.4	22.8	23.3	23.8	24.2	24.7	25.1	25.6	26.7	60
8.1	8.4	8.5	8.6	8.8	9.0	9.2	9.4	9.5	9.7	9.9	10.1	10.5	
21.6	22.5	23.0	23.3	23.8	24.3	24.8	25.4	25.8	26.4	26.8	27.4	28.7	61
8.5	8.8	9.0	9.2	9.4	9.6	9.8	10.0	10.2	10.4	10.5	10.8	11.3	
13.4	13.8	14.0	14.2	14.4	14.6	14.9	15.2	15.4	15.7	15.9	16.2	16.8	62
5.3	5.4	5.5	5.6	5.7	5.8	5.9	6.0	6.1	6.2	6.3	6.4	6.6	
31.8	33.1	33.7	34.1	34.7	35.1	35.7	36.3	36.8	37.4	37.8	38.5	39.7	63
12.5	13.0	13.3	13.4	13.6	13.8	14.0	14.3	14.5	14.7	14.9	15.1	15.6	
36.5	38.1	38.9	39.4	40.2	40.8	41.6	42.4	43.0	43.9	44.4	45.4	47.3	64
14.4	15.0	15.3	15.5	15.8	16.1	16.4	16.7	16.9	17.3	17.5	17.9	18.6	
23.9	25.0	25.6	25.9	26.5	27.0	27.6	28.3	28.9	29.6	30.1	31.0	32.6	65
9.4	9.8	10.1	10.2	10.4	10.6	10.9	11.2	11.4	11.7	11.9	12.2	12.8	
14.9	15.9	16.5	16.9	17.4	17.8	18.4	19.0	19.4	19.9	20.3	21.0	22.3	66
5.8	6.3	6.5	6.6	6.9	7.0	7.2	7.5	7.6	7.9	8.0	8.3	8.8	
20.3	21.3	21.8	22.2	22.7	23.2	23.9	24.6	25.2	25.9	26.4	27.2	28.8	67
8.0	8.4	8.6	8.7	9.0	9.1	9.4	9.7	9.9	10.2	10.4	10.7	11.4	
30.1	31.4	32.1	32.6	33.3	33.9	34.7	35.5	36.1	36.9	37.5	38.4	40.5	68
11.9	12.4	12.6	12.8	13.1	13.3	13.6	14.0	14.2	14.5	14.8	15.1	16.0	
31.9	33.5	34.4	35.0	35.9	36.7	37.7	38.7	39.5	40.5	41.2	42.4	45.0	69
12.6	13.2	13.5	13.8	14.2	14.4	14.8	15.2	15.5	15.9	16.2	16.7	17.7	
5.4	5.6	5.7	5.8	5.9	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.9	70
2.1	2.2	2.3	2.3	2.3	2.4	2.4	2.5	2.5	2.5	2.6	2.6	2.7	
5.4	5.6	5.7	5.8	5.9	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.8	71
2.1	2.2	2.2	2.3	2.3	2.4	2.4	2.4	2.5	2.5	2.5	2.6	2.7	
7.0	7.4	7.5	7.6	7.8	7.9	8.1	8.2	8.4	8.5	8.7	8.8	9.2	72
2.7	2.9	3.0	3.0	3.1	3.1	3.2	3.2	3.3	3.4	3.4	3.5	3.6	

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XLII
STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR ENLISTED SERIES

VARIABLE	MEAN	SE (M)	ST DEV	SE (SD)	COEF VAR	SAMPLE SIZE	SYMM ETRY	KURT OSIS
73 FEMORAL BREADTH, LEFT	8.10 3.19	0.01 0.00	0.43 0.17	0.01 0.00	5.3 5.3	1357 1357	0.13 0.13	3.15 3.15
74 CHEST DEPTH	23.41 9.22	0.05 0.02	1.76 0.69	0.03 0.01	7.5 7.5	1357 1357	0.58 0.58	3.67 3.67
75 WAIST DEPTH	16.84 6.63	0.04 0.02	1.46 0.58	0.03 0.01	8.7 8.7	1357 1357	1.06 1.06	6.09 6.09
76 ABDOMINAL EXTENSION DEPTH	20.63 8.12	0.05 0.02	1.89 0.75	0.04 0.01	9.2 9.2	1357 1357	0.86 0.86	5.30 5.30
77 BUTTOCK DEPTH	21.03 8.28	0.05 0.02	1.68 0.66	0.03 0.01	8.0 8.0	1357 1357	0.36 0.36	3.81 3.81
78 THIGH CLEARANCE	12.40 4.88	0.03 0.01	1.20 0.47	0.02 0.01	9.7 9.7	1357 1357	0.16 0.16	2.96 2.96
79 SHOULDER LENGTH	14.63 5.76	0.03 0.01	1.02 0.40	0.02 0.01	7.0 7.0	1357 1357	0.15 0.15	3.00 3.00
80 NECK-TO-BUSTPOINT LENGTH	25.26 9.94	0.05 0.02	1.79 0.71	0.03 0.01	7.1 7.1	1357 1357	0.22 0.22	3.07 3.07
81 STRAP LENGTH	64.72 25.48	0.10 0.04	3.71 1.46	0.07 0.03	5.7 5.7	1357 1357	0.24 0.24	3.22 3.22
82 INTERSCYE CURVATURE	34.83 13.71	0.06 0.03	2.35 0.92	0.05 0.02	6.7 6.7	1357 1357	0.14 0.14	3.05 3.05
83 INTERSCYE CURVATURE, MAXIMUM	49.08 19.32	0.09 0.04	3.29 1.29	0.06 0.02	6.7 6.7	1357 1357	-0.01 -0.01	3.14 3.14
84 BACK CURVATURE	41.93 16.51	0.08 0.03	2.89 1.14	0.06 0.02	6.9 6.9	1357 1357	0.45 0.45	3.46 3.46
85 WAIST BACK	40.52 15.95	0.06 0.02	2.18 0.86	0.04 0.02	5.4 5.4	1357 1357	0.10 0.10	2.95 2.95
86 ANTERIOR WAIST LENGTH	33.55 13.21	0.05 0.02	1.93 0.76	0.04 0.01	5.7 5.7	1357 1357	0.33 0.33	3.21 3.21
87 SLEEVE INSEAM	44.23 17.41	0.07 0.03	2.40 0.94	0.05 0.02	5.4 5.4	1357 1357	0.26 0.26	3.14 3.14
88 SPINE-TO-SCYE LENGTH (SLEEVE LENGTH SEGMENT)	20.22 7.96	0.04 0.01	1.35 0.53	0.03 0.01	6.7 6.7	1357 1357	0.16 0.16	3.59 3.59
89 SPINE-TO-ELBOW LENGTH (SLEEVE LENGTH SEGMENT)	53.10 20.90	0.06 0.03	2.38 0.94	0.05 0.02	4.5 4.5	1357 1357	0.27 0.27	3.47 3.47
90 SPINE-TO-WRIST LENGTH (SLEEVE LENGTH)	79.40 31.26	0.09 0.04	3.28 1.29	0.06 0.02	4.1 4.1	1357 1357	0.29 0.29	3.33 3.33

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XLII
STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR ENLISTED SERIES

PERCENTILES													VAR
1ST	5TH	10TH	15TH	25TH	35TH	50TH	65TH	75TH	85TH	90TH	95TH	99TH	NO
7.1	7.4	7.6	7.7	7.8	7.9	8.1	8.3	8.4	8.6	8.7	8.8	9.2	73
2.8	2.9	3.0	3.0	3.1	3.1	3.2	3.3	3.3	3.4	3.4	3.5	3.6	
19.9	20.8	21.3	21.6	22.2	22.6	23.2	23.9	24.5	25.2	25.7	26.6	28.2	74
7.8	8.2	8.4	8.5	8.7	8.9	9.1	9.4	9.6	9.9	10.1	10.5	11.1	
14.0	14.7	15.1	15.5	15.9	16.3	16.7	17.2	17.6	18.1	18.5	19.3	21.6	75
5.5	5.8	6.0	6.1	6.3	6.4	6.6	6.8	6.9	7.1	7.3	7.6	8.5	
16.9	17.8	18.4	18.8	19.4	19.8	20.5	21.1	21.7	22.4	22.9	23.9	26.2	76
6.6	7.0	7.2	7.4	7.6	7.8	8.1	8.3	8.5	8.8	9.0	9.4	10.3	
17.4	18.3	18.9	19.3	19.9	20.4	21.0	21.6	22.1	22.7	23.1	23.8	25.5	77
6.8	7.2	7.4	7.6	7.8	8.0	8.3	8.5	8.7	8.9	9.1	9.4	10.0	
9.7	10.4	10.8	11.1	11.5	11.9	12.4	12.8	13.2	13.7	14.0	14.4	15.2	78
3.8	4.1	4.3	4.4	4.5	4.7	4.9	5.1	5.2	5.4	5.5	5.7	6.0	
12.3	13.0	13.3	13.5	13.9	14.2	14.6	15.0	15.3	15.7	16.0	16.4	17.1	79
4.8	5.1	5.2	5.3	5.5	5.6	5.7	5.9	6.0	6.2	6.3	6.4	6.7	
21.3	22.4	23.0	23.4	24.0	24.5	25.2	25.9	26.4	27.1	27.6	28.3	29.7	80
8.4	8.8	9.0	9.2	9.4	9.6	9.9	10.2	10.4	10.7	10.9	11.1	11.7	
56.5	58.8	60.0	60.9	62.1	63.1	64.5	66.0	67.1	68.5	69.5	71.1	74.3	81
22.2	23.2	23.6	24.0	24.5	24.9	25.4	26.0	26.4	27.0	27.4	28.0	29.2	
29.5	31.0	31.8	32.4	33.2	33.9	34.8	35.7	36.3	37.2	37.8	38.7	40.7	82
11.6	12.2	12.5	12.8	13.1	13.3	13.7	14.0	14.3	14.6	14.9	15.3	16.0	
41.2	43.6	44.9	45.7	46.9	47.8	49.1	50.3	51.2	52.4	53.2	54.4	56.8	83
16.2	17.2	17.7	18.0	18.5	18.8	19.3	19.8	20.2	20.6	20.9	21.4	22.4	
35.9	37.6	38.5	39.0	39.9	40.7	41.7	42.8	43.7	44.9	45.7	47.0	49.8	84
14.1	14.8	15.1	15.4	15.7	16.0	16.4	16.8	17.2	17.7	18.0	18.5	19.6	
35.7	37.0	37.8	38.3	39.0	39.6	40.4	41.3	42.0	42.8	43.4	44.2	45.7	85
14.0	14.6	14.9	15.1	15.4	15.6	15.9	16.3	16.5	16.8	17.1	17.4	18.0	
29.4	30.5	31.1	31.6	32.2	32.7	33.4	34.2	34.8	35.6	36.1	36.9	38.3	86
11.6	12.0	12.3	12.4	12.7	12.9	13.2	13.5	13.7	14.0	14.2	14.5	15.1	
39.0	40.4	41.2	41.7	42.5	43.2	44.1	45.1	45.8	46.7	47.3	48.3	50.1	87
15.3	15.9	16.2	16.4	16.7	17.0	17.4	17.7	18.0	18.4	18.6	19.0	19.7	
17.0	18.1	18.6	18.9	19.3	19.7	20.2	20.7	21.1	21.6	22.0	22.5	23.6	88
6.7	7.1	7.3	7.4	7.6	7.7	7.9	8.1	8.3	8.5	8.7	8.9	9.3	
47.8	49.3	50.1	50.7	51.5	52.1	53.0	53.9	54.6	55.4	56.1	57.1	59.4	89
18.8	19.4	19.7	19.9	20.3	20.5	20.9	21.2	21.5	21.8	22.1	22.5	23.4	
72.3	74.2	75.3	76.0	77.1	78.0	79.2	80.5	81.5	82.7	83.6	85.0	87.9	90
28.5	29.2	29.6	29.9	30.4	30.7	31.2	31.7	32.1	32.6	32.9	33.5	34.6	

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XLII
STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR ENLISTED SERIES

VARIABLE	MEAN	SE (M)	ST DEV (SD)	SE	COEF VAR	SAMPLE SIZE	SYMM ETRY	KURT CSIS
91 HAND LENGTH	18.36	0.03	0.96	0.02	5.2	1357	0.25	3.02
	7.23	0.01	0.38	0.01	5.2	1357	0.25	3.02
92 HAND BREADTH	7.54	0.01	0.38	0.01	5.1	1357	0.01	3.06
	2.97	0.00	0.15	0.00	5.1	1357	0.01	3.06
93 HAND CIRCUMFERENCE	18.32	0.02	0.90	0.02	4.9	1357	0.14	3.01
	7.21	0.01	0.35	0.01	4.9	1357	0.14	3.01
94 FOOT LENGTH	24.04	0.03	1.11	0.02	4.6	1357	0.17	2.96
	9.46	0.01	0.44	0.01	4.6	1357	0.17	2.96
95 FOOT BREADTH	8.88	0.01	0.50	0.01	5.6	1357	0.25	3.44
	3.50	0.01	0.20	0.00	5.6	1357	0.25	3.44
96 HEAD LENGTH	18.34	0.02	0.68	0.01	3.7	1357	0.04	3.00
	7.22	0.01	0.27	0.01	3.7	1357	0.04	3.00
97 HEAD BREADTH	14.45	0.02	0.59	0.01	4.1	1357	0.11	3.11
	5.69	0.01	0.23	0.00	4.1	1357	0.11	3.11
98 HEAD CIRCUMFERENCE	54.73	0.04	1.60	0.03	2.9	1357	0.13	2.93
	21.55	0.02	0.63	0.01	2.9	1357	0.13	2.93
99 TRAGION TO TOP OF HEAD	12.68	0.02	0.76	0.01	6.0	1357	0.43	3.42
	4.99	0.01	0.30	0.01	6.0	1357	0.43	3.42
100 ECTOCANTHUS TO TOP OF HEAD	11.72	0.02	0.91	0.02	7.8	1357	0.44	3.48
	4.61	0.01	0.36	0.01	7.8	1357	0.44	3.48
101 PRONASALE TO TOP OF HEAD	14.66	0.03	1.14	0.02	7.8	1357	0.32	3.36
	5.77	0.01	0.45	0.01	7.8	1357	0.32	3.36
102 SUBNASALE TO TOP OF HEAD	15.84	0.03	1.08	0.02	6.8	1357	0.25	3.29
	6.23	0.01	0.43	0.01	6.8	1357	0.25	3.29
103 STOMION TO TOP OF HEAD	17.77	0.03	1.11	0.02	6.2	1357	0.27	3.52
	6.99	0.01	0.44	0.01	6.2	1357	0.27	3.52
104 MENTON TO TOP OF HEAD	21.84	0.03	1.12	0.02	5.1	1357	0.16	3.27
	8.60	0.01	0.44	0.01	5.1	1357	0.16	3.27
105 TRAGION TO WALL	10.15	0.02	0.90	0.02	8.9	1357	0.73	4.22
	4.00	0.01	0.35	0.01	8.9	1357	0.73	4.22
106 ECTOCANTHUS TO WALL	16.31	0.03	0.98	0.02	6.0	1357	0.62	3.87
	6.42	0.01	0.39	0.01	6.0	1357	0.62	3.87
107 PRONASALE TO WALL	21.13	0.03	0.96	0.02	4.5	1357	0.51	3.66
	8.32	0.01	0.38	0.01	4.5	1357	0.51	3.66
108 SUBNASALE TO WALL	19.63	0.03	0.99	0.02	5.0	1357	0.57	3.92
	7.73	0.01	0.39	0.01	5.0	1357	0.57	3.92

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XLII
STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR ENLISTED SERIES

PERCENTILES													VAR
1ST	5TH	10TH	15TH	25TH	35TH	50TH	65TH	75TH	85TH	90TH	95TH	99TH	NO
16.4	16.9	17.2	17.4	17.7	18.0	18.3	18.7	19.0	19.4	19.6	20.0	20.8	91
6.4	6.6	6.8	6.8	7.0	7.1	7.2	7.4	7.5	7.6	7.7	7.9	8.2	
6.7	6.9	7.0	7.1	7.3	7.4	7.5	7.7	7.8	7.9	8.0	8.2	8.5	92
2.6	2.7	2.8	2.8	2.9	2.9	3.0	3.0	3.1	3.1	3.2	3.2	3.3	
16.3	16.8	17.1	17.4	17.7	17.9	18.3	18.6	18.9	19.2	19.5	19.8	20.5	93
6.4	6.6	6.7	6.8	7.0	7.1	7.2	7.3	7.4	7.6	7.7	7.8	8.1	
21.5	22.2	22.6	22.8	23.2	23.6	24.0	24.4	24.8	25.2	25.5	25.9	26.9	94
8.5	8.7	8.9	9.0	9.2	9.3	9.5	9.6	9.8	9.9	10.0	10.2	10.6	
7.7	8.0	8.2	8.3	8.5	8.7	8.9	9.1	9.2	9.4	9.6	9.8	10.2	95
3.0	3.2	3.2	3.3	3.4	3.4	3.5	3.6	3.6	3.7	3.8	3.9	4.0	
16.7	17.2	17.5	17.6	17.9	18.1	18.3	18.6	18.8	19.0	19.2	19.5	20.0	96
6.6	6.8	6.9	6.9	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.9	
13.0	13.5	13.7	13.8	14.1	14.2	14.4	14.7	14.8	15.1	15.2	15.4	15.9	97
5.1	5.3	5.4	5.5	5.5	5.6	5.7	5.8	5.8	5.9	6.0	6.1	6.2	
51.1	52.1	52.7	53.0	53.6	54.1	54.7	55.3	55.8	56.4	56.8	57.4	58.6	98
20.1	20.5	20.7	20.9	21.1	21.3	21.5	21.8	22.0	22.2	22.4	22.6	23.1	
11.1	11.5	11.8	11.9	12.1	12.3	12.6	12.9	13.1	13.5	13.7	14.0	14.7	99
4.4	4.5	4.6	4.7	4.8	4.9	5.0	5.1	5.2	5.3	5.4	5.5	5.8	
9.9	10.3	10.6	10.8	11.1	11.3	11.7	12.0	12.3	12.6	12.9	13.3	14.2	100
3.9	4.1	4.2	4.2	4.4	4.5	4.6	4.7	4.8	5.0	5.1	5.2	5.6	
12.3	12.9	13.2	13.5	13.9	14.2	14.6	15.0	15.4	15.8	16.1	16.6	17.7	101
4.8	5.1	5.2	5.3	5.5	5.6	5.8	5.9	6.1	6.2	6.3	6.5	7.0	
13.4	14.1	14.5	14.7	15.1	15.4	15.8	16.2	16.5	16.9	17.2	17.7	18.7	102
5.3	5.6	5.7	5.8	5.9	6.1	6.2	6.4	6.5	6.7	6.8	7.0	7.3	
15.2	16.0	16.4	16.7	17.0	17.3	17.7	18.1	18.5	18.9	19.2	19.7	20.7	103
6.0	6.3	6.5	6.6	6.7	6.8	7.0	7.1	7.3	7.4	7.6	7.7	8.1	
19.1	20.1	20.5	20.7	21.1	21.4	21.8	22.2	22.5	23.0	23.3	23.7	24.6	104
7.5	7.9	8.1	8.2	8.3	8.4	8.6	8.7	8.9	9.0	9.2	9.3	9.7	
8.3	8.8	9.1	9.3	9.5	9.8	10.1	10.4	10.6	11.0	11.3	11.8	12.9	105
3.3	3.5	3.6	3.7	3.8	3.8	4.0	4.1	4.2	4.3	4.4	4.6	5.1	
14.4	14.9	15.2	15.3	15.6	15.9	16.2	16.6	16.9	17.3	17.6	18.1	19.1	106
5.7	5.9	6.0	6.0	6.2	6.2	6.4	6.5	6.6	6.8	6.9	7.1	7.5	
19.1	19.7	20.0	20.2	20.5	20.7	21.1	21.4	21.7	22.1	22.4	22.8	23.8	107
7.5	7.8	7.9	7.9	8.1	8.2	8.3	8.4	8.5	8.7	8.8	9.0	9.4	
17.5	18.1	18.5	18.7	19.0	19.2	19.6	19.9	20.2	20.6	20.9	21.4	22.5	108
6.9	7.1	7.3	7.4	7.5	7.6	7.7	7.8	7.9	8.1	8.2	8.4	8.9	

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XLII
STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR ENLISTED SERIES

VARIABLE	MEAN	SE (M)	ST DEV (SD)	SE	COEF VAR	SAMPLE SIZE	SYMM ETRY	KURT OSIS
109 LIP PROTRUSION TO WALL	19.28	0.03	1.07	0.02	5.5	1357	0.64	4.01
	7.59	0.01	0.42	0.01	5.5	1357	0.64	4.01
110 MENTON TO WALL	18.18	0.03	1.12	0.02	6.2	1357	0.45	3.85
	7.16	0.01	0.44	0.01	6.2	1357	0.45	3.85
111 SAGITTAL CURVATURE	34.64	0.04	1.42	0.03	4.1	1357	0.12	3.33
	13.64	0.02	0.56	0.01	4.1	1357	0.12	3.33
112 BITRAGON-CORONAL CURVATURE	33.83	0.04	1.38	0.03	4.1	1357	0.11	3.12
	13.32	0.01	0.54	0.01	4.1	1357	0.11	3.12
113 BIOCULAR BREADTH	9.65	0.01	0.49	0.01	5.1	1357	0.00	3.03
	3.80	0.01	0.19	0.00	5.1	1357	0.00	3.03
114 BIAURICULAR BREADTH	15.76	0.03	0.96	0.02	6.1	1357	0.10	2.68
	6.21	0.01	0.38	0.01	6.1	1357	0.10	2.68
115 BITRAGON BREADTH	12.82	0.01	0.48	0.01	3.7	1357	0.12	3.14
	5.05	0.01	0.19	0.00	3.7	1357	0.12	3.14
116 BIZYGOMATIC BREADTH	12.87	0.02	0.57	0.01	4.4	1357	-0.26	3.34
	5.07	0.01	0.22	0.00	4.4	1357	-0.26	3.34
117 BIGONIAL BREADTH	10.14	0.01	0.55	0.01	5.4	1357	0.05	3.07
	3.99	0.01	0.22	0.00	5.4	1357	0.05	3.07
118 NASAL BREADTH	3.19	0.01	0.34	0.01	10.6	1357	0.62	4.02
	1.26	0.00	0.13	0.00	10.6	1357	0.62	4.02
119 LIP LENGTH	4.37	0.01	0.43	0.01	9.8	1357	0.22	3.08
	1.72	0.00	0.17	0.00	9.8	1357	0.22	3.08
120 MENTON-SUBNASALE LENGTH	5.53	0.01	0.50	0.01	9.1	1357	0.08	3.40
	2.18	0.01	0.20	0.00	9.1	1357	0.08	3.40
121 MENTON-SELLION LENGTH	10.56	0.02	0.60	0.01	5.6	1357	0.09	3.11
	4.16	0.01	0.23	0.00	5.6	1357	0.09	3.11
122 SUBNASALE-SELLION LENGTH	4.49	0.01	0.40	0.01	8.8	1357	0.19	3.69
	1.77	0.00	0.16	0.00	8.8	1357	0.19	3.69
123 EAR LENGTH	5.19	0.01	0.43	0.01	8.3	1357	-0.12	3.33
	2.04	0.00	0.17	0.00	8.3	1357	-0.12	3.33
124 EAR BREADTH	2.96	0.01	0.34	0.01	11.3	1357	-0.14	3.16
	1.17	0.00	0.13	0.00	11.3	1357	-0.14	3.16
125 GRIP STRENGTH	29.50	0.15	5.62	0.11	19.0	1357	0.34	3.29
	65.04	0.34	12.39	0.24	19.0	1357	0.34	3.29
126 WAIST HEIGHT, OVER FOUNDATION GARMENT	100.72	0.13	4.38	0.09	4.3	1123	0.16	3.02
	39.65	0.05	1.72	0.04	4.3	1123	0.16	3.02

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XLII
STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR ENLISTED SERIES

PERCENTILES													VAR
1ST	5TH	10TH	15TH	25TH	35TH	50TH	65TH	75TH	85TH	90TH	95TH	99TH	NO
17.1	17.7	18.0	18.2	18.5	18.8	19.2	19.6	19.9	20.3	20.7	21.2	22.2	109
6.7	7.0	7.1	7.2	7.3	7.4	7.5	7.7	7.8	8.0	8.1	8.3	8.8	
15.7	16.5	16.8	17.1	17.4	17.7	18.1	18.5	18.8	19.3	19.6	20.1	21.2	110
6.2	6.5	6.6	6.7	6.9	7.0	7.1	7.3	7.4	7.6	7.7	7.9	8.4	
31.3	32.3	32.8	33.2	33.7	34.1	34.6	35.1	35.5	36.1	36.4	37.0	38.3	111
12.3	12.7	12.9	13.1	13.3	13.4	13.6	13.8	14.0	14.2	14.3	14.6	15.1	
30.7	31.6	32.1	32.4	32.9	33.3	33.8	34.3	34.7	35.3	35.6	36.2	37.3	112
12.1	12.4	12.6	12.8	12.9	13.1	13.3	13.5	13.7	13.9	14.0	14.2	14.7	
8.4	8.9	9.0	9.2	9.3	9.5	9.6	9.8	10.0	10.2	10.3	10.5	10.8	113
3.3	3.5	3.6	3.6	3.7	3.7	3.8	3.9	3.9	4.0	4.1	4.1	4.3	
13.9	14.2	14.5	14.7	15.1	15.4	15.8	16.2	16.4	16.8	17.0	17.3	18.0	114
5.5	5.6	5.7	5.8	5.9	6.1	6.2	6.4	6.5	6.6	6.7	6.8	7.1	
11.7	12.0	12.2	12.3	12.5	12.6	12.8	13.0	13.1	13.3	13.4	13.6	14.0	115
4.6	4.7	4.8	4.9	4.9	5.0	5.0	5.1	5.2	5.2	5.3	5.4	5.5	
11.3	11.9	12.1	12.3	12.5	12.7	12.9	13.1	13.3	13.4	13.6	13.8	14.2	116
4.5	4.7	4.8	4.8	4.9	5.0	5.1	5.2	5.2	5.3	5.3	5.4	5.6	
8.9	9.2	9.4	9.6	9.8	9.9	10.1	10.3	10.5	10.7	10.8	11.1	11.5	117
3.5	3.6	3.7	3.8	3.8	3.9	4.0	4.1	4.1	4.2	4.3	4.4	4.5	
2.5	2.7	2.8	2.8	3.0	3.0	3.2	3.3	3.4	3.5	3.6	3.8	4.2	118
1.0	1.0	1.1	1.1	1.2	1.2	1.2	1.3	1.3	1.4	1.4	1.5	1.7	
3.4	3.7	3.8	3.9	4.1	4.2	4.3	4.5	4.6	4.8	4.9	5.1	5.4	119
1.4	1.5	1.5	1.5	1.6	1.6	1.7	1.8	1.8	1.9	1.9	2.0	2.1	
4.3	4.7	4.9	5.0	5.2	5.3	5.5	5.7	5.8	6.0	6.2	6.4	6.8	120
1.7	1.8	1.9	2.0	2.1	2.1	2.2	2.2	2.3	2.4	2.4	2.5	2.7	
9.1	9.6	9.8	10.0	10.2	10.3	10.5	10.8	11.0	11.2	11.3	11.6	12.0	121
3.6	3.8	3.9	3.9	4.0	4.1	4.2	4.2	4.3	4.4	4.5	4.6	4.7	
3.6	3.8	4.0	4.1	4.2	4.3	4.5	4.6	4.7	4.9	5.0	5.1	5.6	122
1.4	1.5	1.6	1.6	1.7	1.7	1.8	1.8	1.9	1.9	2.0	2.0	2.2	
4.1	4.5	4.6	4.8	4.9	5.0	5.2	5.4	5.5	5.6	5.7	5.9	6.2	123
1.6	1.8	1.8	1.9	1.9	2.0	2.0	2.1	2.2	2.2	2.3	2.3	2.4	
2.1	2.4	2.5	2.6	2.7	2.8	3.0	3.1	3.2	3.3	3.4	3.5	3.7	124
0.8	0.9	1.0	1.0	1.1	1.1	1.2	1.2	1.3	1.3	1.3	1.4	1.5	
18.0	20.8	22.5	23.7	25.6	27.1	29.2	31.4	33.0	35.2	36.8	39.2	44.2	125
39.6	45.9	49.7	52.3	56.4	59.8	64.4	69.2	72.9	77.7	81.0	86.3	97.5	
91.1	93.7	95.1	96.2	97.7	99.0	100.6	102.3	103.6	105.2	106.4	108.1	111.4	126
35.9	36.9	37.5	37.9	38.5	39.0	39.6	40.3	40.8	41.4	41.9	42.5	43.9	

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XLII
STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR ENLISTED SERIES

VARIABLE	MEAN	SE (M)	ST DEV (SD)	SE	COEF VAR	SAMPLE SIZE	SYMM ETRY	KURT OSIS
127 ABDOMINAL EXTENSION HEIGHT, OVER FOUNDATION GARMENT	92.88 36.57	0.13 0.05	4.26 1.68	0.09 0.04	4.6 4.6	1123 1123	0.14 0.14	3.00 3.00
128 WAIST CIRCUMFERENCE, OVER FOUNDATION GARMENT	65.56 25.81	0.14 0.05	4.67 1.84	0.10 0.04	7.1 7.1	1123 1123	0.90 0.90	4.61 4.61
129 ABDOMINAL EXTENSION CIRCUMFER- ENCE OVER FOUNDATION GARMENT	86.40 34.02	0.19 0.08	6.52 2.57	0.14 0.05	7.6 7.6	1123 1123	0.57 0.57	4.15 4.15
130 HIP CIRCUMFERENCE-SEVEN INCHES BELOW WAIST, OVER FOUNDATION	92.99 36.61	0.15 0.06	5.13 2.02	0.11 0.04	5.5 5.5	1123 1123	0.56 0.56	4.53 4.53
131 HIP CIRCUMFERENCE-NINE INCHES BELOW WAIST, OVER FOUNDATION	94.62 37.25	0.16 0.06	5.45 2.15	0.11 0.05	5.8 5.8	1123 1123	0.27 0.27	3.82 3.82
132 WAIST BREADTH, OVER FOUNDATION GARMENT	21.16 8.33	0.05 0.02	1.74 0.69	0.04 0.01	8.2 8.2	1123 1123	0.65 0.65	3.77 3.77
133 HIP BREADTH, OVER FOUNDATION GARMENT	33.40 13.15	0.06 0.02	2.01 0.79	0.04 0.02	6.0 6.0	1123 1123	0.30 0.30	3.48 3.48
134 WAIST DEPTH, OVER FOUNDATION GARMENT	15.37 6.05	0.05 0.02	1.58 0.62	0.03 0.01	10.3 10.3	1123 1123	1.09 1.09	6.09 6.09
135 ABDOMINAL EXTENSION DEPTH, OVER FOUNDATION GARMENT	19.39 7.64	0.06 0.03	2.14 0.84	0.05 0.02	11.0 11.0	1123 1123	0.89 0.89	5.08 5.08
136 BUTTOCK DEPTH, OVER FOUNDATION GARMENT	21.29 8.38	0.05 0.02	1.74 0.68	0.04 0.01	8.2 8.2	1123 1123	0.62 0.62	4.60 4.60
137 BUTTOCK CIRCUMFERENCE, SIT- TING, OVER FOUNDATION GARMENT	98.69 38.86	0.16 0.06	5.45 2.15	0.12 0.05	5.5 5.5	1123 1123	0.59 0.59	4.63 4.63
138 THIGH-TO-THIGH BREADTH, SIT- TING, OVER FOUNDATION GARMENT	36.86 14.51	0.07 0.03	2.44 0.96	0.05 0.02	6.6 6.6	1123 1123	0.32 0.32	3.52 3.52
139 STATURE AS REPORTED BY SUBJECTS	164.36 64.71	0.16 0.06	6.06 2.38	0.12 0.05	3.7 3.7	1356 1356	0.24 0.24	2.76 2.76
140 WEIGHT AS REPORTED BY SUBJECTS	55.94 123.32	0.18 0.40	6.68 14.73	0.13 0.28	11.9 11.9	1355 1355	0.60 0.60	4.26 4.26

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

TABLE XLII
STATISTICAL SUMMARIES AND SELECTED PERCENTILES FOR ENLISTED SERIES

PERCENTILES													VAR
1ST	5TH	10TH	15TH	25TH	35TH	50TH	65TH	75TH	85TH	90TH	95TH	99TH	NO
83.5	86.0	87.4	88.4	89.9	91.1	92.8	94.5	95.8	97.4	98.4	100.0	102.9	127
32.9	33.9	34.4	34.8	35.4	35.9	36.5	37.2	37.7	38.3	38.8	39.4	40.5	
57.1	58.9	60.1	61.0	62.3	63.5	65.0	66.7	68.1	70.1	71.6	74.1	80.1	128
22.5	23.2	23.7	24.0	24.5	25.0	25.6	26.3	26.8	27.6	28.2	29.2	31.5	
73.2	76.5	78.5	79.8	81.9	83.6	86.0	88.4	90.3	92.9	94.7	97.6	104.1	129
28.8	30.1	30.9	31.4	32.3	32.9	33.9	34.8	35.6	36.6	37.3	38.4	41.0	
82.3	85.0	86.7	87.9	89.7	91.0	92.8	94.6	95.9	97.7	99.1	101.5	107.6	130
32.4	33.5	34.1	34.6	35.3	35.8	36.5	37.2	37.8	38.5	39.0	39.9	42.4	
82.1	85.7	87.8	89.1	91.1	92.6	94.6	96.5	97.9	99.8	101.2	103.5	109.1	131
32.3	33.8	34.6	35.1	35.9	36.5	37.2	38.0	38.6	39.3	39.9	40.8	43.0	
17.9	18.6	19.1	19.4	19.9	20.4	21.0	21.7	22.2	23.0	23.5	24.3	26.1	132
7.0	7.3	7.5	7.6	7.8	8.0	8.3	8.5	8.8	9.0	9.3	9.6	10.3	
28.9	30.3	30.9	31.4	32.0	32.6	33.3	34.1	34.7	35.5	36.0	36.9	38.7	133
11.4	11.9	12.2	12.4	12.6	12.8	13.1	13.4	13.7	14.0	14.2	14.5	15.2	
12.4	13.0	13.5	13.8	14.3	14.7	15.2	15.8	16.2	16.8	17.3	18.1	20.6	134
4.9	5.1	5.3	5.4	5.6	5.8	6.0	6.2	6.4	6.6	6.8	7.1	8.1	
15.3	16.3	16.9	17.3	18.0	18.5	19.2	20.0	20.6	21.4	22.0	23.2	26.0	135
6.0	6.4	6.6	6.8	7.1	7.3	7.6	7.9	8.1	8.4	8.7	9.1	10.3	
17.8	18.6	19.1	19.5	20.1	20.6	21.2	21.9	22.3	23.0	23.4	24.2	26.1	136
7.0	7.3	7.5	7.7	7.9	8.1	8.4	8.6	8.8	9.0	9.2	9.5	10.3	
87.2	90.1	92.0	93.3	95.1	96.6	98.5	100.4	101.8	103.8	105.2	107.7	114.1	137
34.3	35.5	36.2	36.7	37.5	38.0	38.8	39.5	40.1	40.8	41.4	42.4	44.9	
31.6	33.0	33.8	34.3	35.2	35.9	36.8	37.7	38.4	39.3	40.0	41.0	43.2	138
12.5	13.0	13.3	13.5	13.9	14.1	14.5	14.9	15.1	15.5	15.7	16.1	17.0	
152.0	154.8	156.6	157.9	160.0	161.8	164.2	166.8	168.7	171.1	172.7	174.9	178.5	139
59.8	61.0	61.7	62.2	63.0	63.7	64.7	65.7	66.4	67.4	68.0	68.9	70.3	
42.6	45.5	47.6	49.1	51.3	53.1	55.5	57.9	59.8	62.2	64.1	67.0	74.3	140
94.0	100.4	104.9	108.1	113.1	117.1	122.4	127.7	131.8	137.2	141.2	147.8	163.8	

UNITS...UPPER LINES, CENTIMETERS OR KILOGRAMS...LOWER LINES, INCHES OR POUNDS

APPENDIX I

THE DATA BLANK

No. 0000

USAF FEMALE ANTHROPOMETRIC SURVEY BLANK----1968

(Please print all requested information)

Name _____ Date _____
 (Last) (First) (Middle)

Rank _____ Location _____

Serial Number _____ Command _____

AFSC _____ Specific Duty _____

Age _____ Birthdate _____
 (Last Birthday) (Year) (Month) (Day)

Race _____ Age First Menstruation _____
 (Years)

Marital Status _____ Serial Number _____
 (Single) (Married) (Divorced)

Blood Type (A¹, B², AB³, O⁴) RH Factor (Neg¹, Pos²)
 (Circle the appropriate symbol) (Circle the appropriate symbol)

Birthplace, Subject _____ Birthplace, Father _____
 State (Country if other than USA) State (Country if other than USA)

Birthplace, Mother _____ Handedness (R¹, L², A³)
 State (country if other than USA) (Circle the appropriate symbol)

Estimated Nude Stature _____ Estimated Nude Weight _____
 (inches) (pounds)

-Card 2-

1. Stature _____

2. Stature-Maximum _____

3. Cervicale Height _____

4. Acromiale Height _____

5. Suprasternale Ht _____

6. Bust Level Height _____

7. Waist Height _____

8. Abdominal Exten Ht _____

9. Trochanteric Height _____

10. Buttock Height _____

11. Gluteal Furrow Ht. _____

12. Tibiale Height _____

13. Crotch Height* _____

14. Ankle Height _____

15. Lateral Malleolus Ht. _____

16. Foot Length _____

17. Foot Breadth _____

18. Ankle Circumference _____

19. Calf Circ, Right. _____

20. Knee C/Mid-Patella. _____

-Card 3-

21. Upper Thigh Circ. _____

22. Calf Circ, Left _____

23. Waist Circumference _____

24. Abdominal Exten Circ. _____

25. Hip Circumference-7 _____

26. Hip Circumference-9 _____

27. Butt-Popliteal Lgth _____
 28. Buttock Knee Length _____
 29. Popliteal Height* _____
 30. Thigh Clearance . . . _____
 31. Sitting Ht, Slumped. _____
 32. Sitting Ht, Erect . _____
 33. Mid-Shoulder Height _____
 34. Eye Height, Seated. _____
 35. Waist Ht, Seated. . _____
 36. Elbow Rest Height* . _____
 37. Biacromial Breadth. _____
 38. Bideltoid Breadth . _____
 39. Thigh-Thigh Brd, Seat _____
 40. Humerus Brd, Right. _____

-Card 4-

41. Humerus Brd, Left . _____
 42. Femur Brd, Left . . _____
 43. Femur Brd, Right. . _____
 44. Chest Breadth . . . _____
 45. Waist Breadth . . . _____
 46. Hip Breadth _____
 47. Buttock Depth . . . _____
 48. Abdominal Exten-Depth _____
 49. Waist Depth _____
 50. Chest Depth _____
 51. Internipple Breadth _____
 52. Acrom-Radiale Length _____
 53. Rad-Stylian Length. _____
 54. Thumb Tip Reach . . _____
 55. Thumb Tip Reach/Ext^d _____
 56. Overhead Reach^y . . _____

57. Shoulder Circ _____
 58. Chest Circ, Scye. . . _____
 59. Bust Circumference. . _____
 60. Chest Circ, Below Bust _____

-Card 5-

61. Scye Circumference. . _____
 62. Axillary Circ _____
 63. Biceps C/Right, Relaxed _____
 64. Forearm C, Relaxed. . _____
 65. Wrist Circumference . _____
 66. Hand Circumference . _____
 67. Sleeve Inseam _____
 68. Biceps C/Right, Flexed _____
 69. Elbow Circ, Flexed. . _____
 70. Forearm C, Flexed . . _____
 71. Biceps C/Left, Relaxed _____
 72. Biceps C/Left, Flexed. _____
 73. SL: Spine-Scye. . . . _____
 74. SL: Spine-Elbow . . . _____
 75. SL: Spine-Wrist . . . _____
 76. Back Curvature. . . . _____
 77. Interscye _____
 78. Interscye Maximum . . _____
 79. Waist Back. _____
 80. Shoulder Length . . . _____

-Card 6-

81. Neck To Bust. _____
 82. Strap Length. _____
 83. Waist Front _____
 84. Vertical Trunk Circ . _____
 85. Vert Trunk C/Seated . _____
 86. Buttock C/Seated. . . _____

87. Vertex-to-Tragion.
 88. Vertex-to-Ex. Canthus
 89. Vertex-to-Pronasale.
 90. Vertex-to-Subnasale.
 91. Vertex-to-Stomion.
 92. Vertex-to-Menton
 93. Wall-to-Tragion.
 94. Wall-to-Ex Canthus
 95. Wall-to-Pronasale.
 96. Wall-to-Subnasale.
 97. Wall-Lip Protrusion.
 98. Wall-to-Menton
 99. Head Circumference
 100. Sagittal Arc
 -Card 7-
 101. Bitrag-Coronal Arc
 102. Neck Circumference
 103. Head Length.
 104. Head Breadth
 105. Bi-Auricular Brd
 106. Bitragion Diameter
 107. Bizygomatic Diameter
 108. Bigonial Diameter.
 109. Biocular Diameter.
 110. Nasal Breadth.
 111. Lip Length
 112. Menton-Subnas Lgth
 113. Menton-Nasal Root Lth
 114. Subnas-N Root Dep Lth
 115. Ear Length
 116. Ear Breadth.
 117. Hand Length.
 118. Hand Breadth

119. Weight
 120. Grip Strength.
 -Card 8-
 121. Skinfold:Triceps
 122. Skinfold:Subscapular
 123. Skinfold:Suprailiac.
 124. Skinfold:Medial Calf
 (Over Foundation Garment^Ω)
 125. Abdominal Ext Height.
 126. Waist Height.
 127. Waist Breadth
 128. Hip Breadth
 129. Buttock Depth
 130. Abdominal Ext Depth
 131. Waist Depth
 132. Waist Circumference
 133. Abdominal Extension C
 134. Hip Circumference-7
 135. Hip Circumference-9
 136. Buttock Circ, Seated.
 137. Hip Breadth, Seated
 138.
 139.
 140.

* One cm is to added to the
 recorded values for;
 13 Crotch Height
 29 Popliteal Height
 36 Elbow Rest Height

^ψ 1.5 m to be added to;
 56 Overhead Reach

^Ω Type of Foundation Garment

APPENDIX II

BODY DENSITY AND ESTIMATED BODY FAT

BODY DENSITY AND ESTIMATED PERCENT OF BODY FAT

It has been within only the last few years that studies have been made of the body density and amount of body fat of U.S. women. The pioneer work by Chen, 1953, remained the primary source of such data until the late 1950's. At that time, Allen (1959), Sloan (1961), and Young (1963) began their extensive studies of women's body composition. The more recent studies are those by Kindig (1967), Katch and Michael (1968), and Wilmore (1969). A summary of the data obtained by these investigators and in this study is presented in table XLIII.

By conducting a portion of the anthropometric survey in the San Antonio, Texas area, the opportunity was provided for obtaining body density data for 95 women who served as subjects in the survey. The body density study was made possible through the cooperation and use of the facilities of the Physiology Branch, School of Aerospace Medicine, Brooks Air Force Base, Texas. Dr. T. H. Allen, Chief of the Physiology Division, made available his laboratory, and Mr. Clarence Theis made the residual lung volume determinations. The body volumeter used (figure 5) was designed by Dr. Allen and has been described by him in detail (1960). The device is one in which a subject totally submerges in the calibrated volumeter, forcefully expels her breath, and the water displaced is noted on a sight glass. After three such trials, the subject leaves the volumeter and the residual lung volume is determined twice by nitrogen washout (Wilmore, 1969). The data sheet used for this study is reproduced as figure 6.

The items on the data sheet are largely self-explanatory; however, a few entries require some comment. Item 8, the mean residual lung volume was calculated to the nearest milliliter. Null point (item 9) is the sight glass reading of the volumeter before the subject enters the water and 'e' (item 10) is the three readings of the sight glass with the subject fully submerged and lungs forcefully emptied. The three readings are averaged and the arithmetic mean used in the calculation of total body volume.

The data for items 11 through 15 were computed as follows:

$$C_e = e - \text{null value}$$

$$V_e (\text{liters}) = C_e \times k$$

where k is the constant .2527 which represents the calibrated tank volume per mm on the scale of the sight glass.

$$\text{Volume (liters)} = V_e - (V_r + f + m)$$

where V_r is residual lung volume, f is a constant (.111) for gas in the intestinal tract* and m is a constant (.029) for the volume of the garment worn by the subjects during volume determination.

$$\text{Mass (kg)} = \text{Body Weight} - (n + p)$$

where n and p are constants (.095) and (.033) representing average values for the garments worn by the subjects during weighing.

$$\text{Fat (kg)} = 4.878 \text{ Volume} - 4.415 \text{ mass}^{**}$$

$$\text{Lean Body Mass (kg)} = \text{Mass} - \text{Fat}$$

$$\text{Fat/Mass Ratio (\%)} = \text{Fat (kg)} / \text{Mass (kg)}$$

*Greenwald, *et. al.* (1969)

**See Allen 1963.



Figure 5. Body Volumeter

The skinfold dimensions were measured in the same way as those described for the total survey. Summary statistics for the measured and computed variables are given in table XLIV.

The subsample is seen to be somewhat taller (2.28 cm) and lighter (1.19 kg) than the total female survey population. Approximately 2 cm of the difference in stature is probably due to a difference in measuring technique. The subsample was measured using a wall mounted stadia which can add as much as 2 cm to stature measured with the subject free standing (Damon, 1964). The difference in weight does not appear to be an artifact of measuring technique and is in part substantiated by the slightly lower mean skinfolds for the subsample. The subsample, in general body size, appears to reflect adequately the anthropometric survey population.

The subsample was divided into three age categories to facilitate comparison with density data from other studies. The significant data for each age group are given in table XLIII. It is difficult to make meaningful comparisons, as the various investigations illustrated in this table involve some differences in technique and the samples vary considerably in composition

USAF FEMALE ANTHROPOMETRIC SURVEY BLANK - 1968

- Supplement #1, Body Density -

Subject No.¹ _____

Name² _____ Serial No.³ _____ Date⁴ _____

Age⁵ _____ Stature⁶ _____ Weight⁷ _____

Residual Lung Vol.⁸ _____ SKINFOLDS

Null Point⁹ _____ Triceps¹⁶ _____

e¹⁰ _____ Subscapula¹⁷ _____

Vol of H₂O Displaced by Body¹¹ _____ *MAL (x)¹⁸ _____

RESULTS Suprailiac¹⁹ _____

Fat¹² _____ **JU²⁰ _____

Lean¹³ _____ Thigh²¹ _____

Fat/Lean Ratio¹⁴ _____ Calf²² _____

Fat/Mass Ratio¹⁵ _____

* Mid-axillary line at level of xyphoid process.

** Juxta umbilicus.

Figure 6. Body Density Data Blank

TABLE XLIII

BODY DENSITY AND ESTIMATED BODY FAT OF U. S. WOMEN

Investigator	n	Age Range	Age	Height (cm)	Weight (kg)	Density (gm/cc)	Fat (% of mass)
Chen, '53	25	18-30	24.4(4.55) [†]	162.2(5.14)	55.44(6.42)	1.0458(.0099)*	26.11(5.07) ^a
	19	31-45	39.6(3.55)	163.3(7.54)	60.74(7.14)	1.0336(.0083)*	32.39(4.81) ^a
	21	>46	55.5(6.12)	160.0(6.51)	60.89(10.69)	1.0224(.0132)*	38.31(7.07) ^a
Sloan et al. '61	50	17-25	20.2(1.7)	165.0(6.9)	55.5(5.9)	1.0467(.0122)	22.13(7.08) ^a
Young '63	94	16-30	20.4(1.95)	167.5(6.03)	59.0(6.45)	1.0342(.0094)	28.69(4.86) ^a
	26	30-40	35.1(2.48)	164.9(6.85)	59.6(8.51)	1.0343(.0143)	28.75(7.33) ^a
	27	40-50	44.7(2.54)	163.1(4.30)	63.2(7.37)	1.0218(.0105)	35.33(5.70) ^a
Kindig '67	99	17-26	19.4(1.44)	163.1(11.7)	56.4(7.5)	1.031(.019)	31.0(10.0) ^a
Krzywicki	14	17-19	—	—	60.8(7.4)	1.045(0.018)	26.3(8.8) ^b
et al.	19	20-24	—	—	62.5(8.4)	1.038(0.021)	30.4(9.5) ^b
'67 Army Women**	3	25-29	—	—	59.4(4.5)	1.032(0.023)	31.9(1.9) ^b
Katch & Michael '68	64	19-23	—	165.9(7.78)	58.38(6.7)	1.049(.011)	21.5(5.7) ^c
Willmore '69	128	—	21.4(3.76)	164.9(6.61)	58.58(7.14)	1.041(.010)	25.73(4.5) ^d
USAF Women '68	55	<25	20.33(1.49)	164.1(7.54)	55.77(7.76)	1.034(.014)	27.91(5.87)
	18	25-29	26.67(1.15)	165.2(6.19)	57.46(6.05)	1.026(.009)	31.37(4.06)
	22	>29	33.91(3.23)	164.3(7.09)	57.69(7.14)	1.027(.012)	30.78(5.16)

[†]Mean (SD)

*Reported as specific gravity

**Women > 30 years of age not included here

^aRathbun and Pace, 1945, where body fat (%) = 100 (5.548/specific gravity) - 5.044^bAllen et. al. 1960, where body fat = [4.834/density - 4.336] • 100^cBrozek, 1963, body fat = (4.570/density - 4.142) • 100^dSiri, 1961, body fat = (4.95/density - 4.50) • 100

as to age and body size. The table does show a trend towards corresponding decrease in body density with age. The desirability of additional research on women's body density is clearly illustrated by these data.

TABLE XLIV
BODY DIMENSIONS AND DENSITY OF DENSITY-STUDY SAMPLE*

<i>Variable Name</i>	<i>Range</i>	<i>Mean (SE)</i>	<i>SD (SE)</i>	<i>V</i>
Age (years)	18 - 46	24.67 (0.61)	5.95 (0.43)	24.11
Stature (cm)	149.0 -185.8	164.88 (0.74)	7.21 (0.52)	4.39
Weight (kg)	44.000- 78.370	56.537(0.756)	7.374(0.535)	13.04
Residual Lung Vol. (l)	.606- 1.900	1.077(0.026)	0.262(0.019)	24.29
Mass (kg)	43.827- 78.242	56.406(0.756)	7.374(0.535)	13.04
Volume (l)	41.947- 76.125	54.753(0.751)	7.320(0.531)	13.37
Density (gm/ml)	0.997- 1.061	1.031(0.001)	0.013(0.001)	1.27
Fat (kg)	9.4 - 29.5	118.04 (0.45)	4.43 (0.32)	24.53
Lean Body Mass (kg)	26.5**- 53.3	38.37 (0.56)	5.45 (0.40)	14.20
Fat/Mass Ratio (%)	18.2 - 48.0	31.82 (0.62)	6.01 (0.44)	18.89
Triceps Skinfold (mm)	7.2 - 30.0	17.41 (0.50)	4.91 (0.36)	28.21
Subscapular Skinfold (mm)	5.4 - 31.2	12.35 (0.45)	4.34 (0.31)	35.31
MALX Skinfold (mm)	3.4 - 25.4	11.12 (0.50)	4.88 (0.35)	43.93
Suprailiac Skinfold (mm)	5.0 - 36.0	17.55 (0.67)	6.55 (0.48)	37.33
JU Skinfold (mm)	5.2 - 36.4	22.14 (0.76)	7.43 (0.54)	33.54
Thigh Skinfold (mm)	14.2 - 39.0	25.33 (0.64)	6.27 (0.45)	24.76
Calf Skinfold (mm)	2.4 - 25.8	14.06 (0.47)	4.54 (0.33)	32.28

*n = 95

**Philippine student nurse of small stature

APPENDIX III

DEFINITIONS AND DERIVATIONS OF CORRELATION AND REGRESSION CONCEPTS

DEFINITIONS AND DERIVATIONS OF CORRELATION AND REGRESSION CONCEPTS

EVALUATING CORRELATION COEFFICIENTS

It is important in interpreting correlation coefficients to have some basis for judging whether correlation coefficients are meaningfully large or not. There is much truth in the often made statement that such judgments can be made only in context. Nevertheless some generalizations may be useful. We can start with a three-point scale: first $r = 0$ means no correlation, individuals above average on one trait are as likely to be below average on the second as they are to be above average. Next, $r = 0.5$ corresponds roughly to the correlation, for adult women, between stature and weight, or the correlation between mother and daughter in adult height, or the correlation between child and parent in intelligence. Presumably we all have some feeling for how intense these relationships are, and a restatement of the phrase " $r = 0.6$ " into "the correlation is a little higher than the correlation for stature and weight" may sometimes be helpful. Finally, $r = 1.0$ means a perfect, exact relationship. If a correlation is equal to unity, the regression equation estimates are entirely accurate.

Another approach is to consider each woman as being categorized on the basis of whether she is below or above the median value on each of a pair of variables:

		Variable	
		Below Median	Above Median
Variable	Above Median	B	A
	Below Median	A	B

If we designate as A the number of women who are above the median of both variables, and as B the number who are below the median on the first variable and above it on the second, the correlation coefficient will equal, approximately,

$$\frac{A - B}{A + B}$$

If in a group of 200 women we find 75 above the median with respect to both of a pair of variables, and 25 below the median on the first and above the median on the second, thus giving the tabular values:

	-	+
+	25	75
-	75	25

we can estimate the correlation between these two variables, for this group of women as

$$\frac{75 - 25}{75 + 25} = \frac{50}{100} = 0.50$$

Restated, this formula suggests that of 100 women who are above average on the first variable the following numbers will be above average on the second as well:

if $r = 0.10$, about 55

if $r = 0.20$, about 60

if $r = 0.30$, about 65

if $r = 0.40$, about 70

if $r = 0.50$, about 75

if $r = 0.60$, about 80

if $r = 0.70$, about 85

if $r = 0.80$, about 90

if $r = 0.90$, about 95

This approximation should be considered primarily as a basis for interpreting the correlation coefficient and not as a basis for calculating it. The approximation will be reasonably good for data which fit the normal distribution pattern.

THE DERIVATION OF THE SIMPLE REGRESSION EQUATION

We assume that, having a set of N ordered pairs of values, Y_i and X_i , we wish to derive an equation of the form

$$Y^1 = a + bX$$

that is, we wish to determine the values a and b such that

$$SQ = \sum (Y_i^1 - Y_i)^2 = \sum (a + bX_i - Y_i)^2$$

is a minimum.

The simplest evaluation of a and b requires the use of a little differential calculus, but this evaluation can be carried out without calculus in the following fashion: (we shall omit the subscripts to simplify the writing of the equations)

$$\begin{aligned} \text{Let: } V &= Y - \bar{Y} & Y &= V + \bar{Y} \\ W &= X - \bar{X} & X &= W + \bar{X} \end{aligned}$$

Then

$$\begin{aligned} SQ &= \sum (V + \bar{Y} - a - bW - b\bar{X})^2 \\ &= \sum (V - c - bW)^2 \end{aligned}$$

where

$$c = a + b\bar{X} - \bar{Y}$$

Expanding the square, we get:

$$\begin{aligned} SQ &= \sum (V^2 + c^2 + b^2W^2 - 2cV - 2bVW + 2cbW) \\ &= \sum V^2 + Nc^2 + b^2\sum W^2 - 2c\sum V - 2b\sum VW + 2cb\sum W \end{aligned}$$

Since

$$\Sigma V = \Sigma W = 0,$$

$$SQ = \Sigma V^2 + Nc^2 + b^2\Sigma W^2 - 2b\Sigma VW$$

Since c appears only in the term Nc^2 , the smaller c^2 , the smaller the value of SQ . Hence, the minimum value of c^2 , that is, zero, is the proper one.

Adding and subtracting $(\Sigma VW)^2/\Sigma W^2$ we get

$$\begin{aligned} SQ &= \Sigma V^2 + \left(b^2\Sigma W^2 - 2b\Sigma VW + \frac{(\Sigma VW)^2}{\Sigma W^2} \right) - \frac{(\Sigma VW)^2}{\Sigma W^2} \\ &= \Sigma V^2 - \frac{(\Sigma VW)^2}{\Sigma W^2} + \left(b\sqrt{\Sigma W^2} - \frac{\Sigma VW}{\sqrt{\Sigma W^2}} \right)^2 \end{aligned}$$

Clearly the value of b which will make SQ a minimum is the one which makes the square term equal to zero, that is:

$$b = \frac{\Sigma VW}{\Sigma W^2}$$

Hence the desired equation is given by:

$$\begin{aligned} b &= \frac{\Sigma VW}{\Sigma W^2} = \frac{\Sigma (X - \bar{X})(y - \bar{y})}{\Sigma (X - \bar{X})^2} \\ c &= 0 \quad a = -b\bar{X} + \bar{Y} \end{aligned}$$

To derive this formula by the use of calculus, we again set $SQ = \Sigma (Y_i - a - bX_i)^2$. For a minimum value of SQ , $\frac{\delta SQ}{\delta a}$ and $\frac{\delta SQ}{\delta b}$ should be zero.

$$\begin{aligned} \text{Thus: } \frac{\delta SQ}{\delta a} &= -2 (\Sigma Y_i - aN - b\Sigma X_i) \\ \frac{\delta SQ}{\delta b} &= -2 (\Sigma Y_i X_i - a\Sigma X_i - b\Sigma X_i^2) \end{aligned}$$

which, set to zero give:

$$\begin{aligned} aN + b\Sigma X_i &= \Sigma Y_i \\ a\Sigma X_i + b\Sigma X_i^2 &= \Sigma X_i Y_i \end{aligned}$$

$$\begin{aligned} \text{Hence, } a &= \frac{\begin{vmatrix} \Sigma Y_i & \Sigma X_i \\ \Sigma X_i Y_i & \Sigma X_i^2 \end{vmatrix}}{\begin{vmatrix} N & \Sigma X_i \\ \Sigma X_i & \Sigma X_i^2 \end{vmatrix}} = \frac{\Sigma Y_i \Sigma X_i^2 - \Sigma X_i \Sigma X_i Y_i}{N\Sigma X_i^2 - (\Sigma X_i)^2} \\ b &= \frac{\begin{vmatrix} N & \Sigma Y_i \\ \Sigma X_i & \Sigma X_i Y_i \end{vmatrix}}{D} = \frac{N\Sigma X_i Y_i - \Sigma X_i \Sigma Y_i}{N\Sigma X_i^2 - (\Sigma X_i)^2} \end{aligned}$$

which, a little algebraic juggling will show, is the same as the result previously obtained. The importance of this second derivation is that it can be directly extended to the deviation of multiple regression equations involving any number of predictor variables.

THE RELATIONSHIP BETWEEN THE CORRELATION COEFFICIENT AND THE REGRESSION EQUATION

From the first derivation in the previous paragraph, the sum of the squared deviations from the optimum regression line was found to be: $SQ_{min} = \Sigma V^2 - (\Sigma VW)^2 / \Sigma W^2$

By the definition of V , $\Sigma V^2 = N \cdot SD_y^2$, so that

$$\begin{aligned} SQ_{min} &= \Sigma V^2 (1 - (\Sigma VW)^2 / (\Sigma V^2 \cdot \Sigma W^2)) \\ &= NSD_y^2 \left(1 - \frac{(\Sigma VW)^2}{\Sigma V^2 \cdot \Sigma W^2} \right) \end{aligned}$$

Which suggests the definition:

$$r^2 = \frac{(\Sigma V W)^2}{\Sigma V^2 \Sigma W^2}$$

Note that this definition satisfies some logical demands:

One, when $r^2 = 1$, $SQ_{min} = 0$, that is the sum of the squared deviations from the regression equation is zero.

Two, when $r^2 = 0$, the sum of the squared deviations from the regression equation equal $N \cdot SD_y^2$, and is, therefore, as large as the sum of the deviations from the mean value. This result is not surprising since in this case the regression equation is simply

$$Y^1 = \bar{Y}$$

Stated in terms of X and Y ,

$$r^2 = \frac{(\Sigma (X - \bar{X}) (Y - \bar{Y}))^2}{\Sigma (X - \bar{X})^2 \cdot \Sigma (Y - \bar{Y})^2}$$

There are numerous equivalent forms in which this can be written, such as

$$r^2 = \left(\frac{\frac{1}{N} \Sigma XY - \bar{X} \bar{Y}}{SD_x SD_y} \right)^2$$

The value of r itself is conventionally given the sign of the numerator as written here:

$$r = \frac{\frac{1}{N} \Sigma XY - \bar{X} \bar{Y}}{SD_x \cdot SD_y}$$

We may now write the regression equation in one of its familiar forms:

$$Y^1 = r \cdot \frac{SD_y}{SD_x} (X - \bar{X}) + \bar{Y}$$

Note that the formula for the correlation coefficient is unchanged if we interchange X and Y . Thus the correlation of X with Y is the same as that of Y with X .

THE STANDARD ERROR OF ESTIMATE

This, we define, as the root-mean-square deviation from the regression line, that is:

$$\begin{aligned} \text{Standard error of estimate} &= \sqrt{\frac{SQ_{min}}{N}} \\ &= SD_y \sqrt{1 - r^2} \end{aligned}$$

Values of $\sqrt{1 - r^2}$, known as the coefficient of alienation, are given in table XLV for several values of r .

TABLE XLV
COEFFICIENT OF ALIENATION--COEFFICIENT OF CORRELATION EQUIVALENCES

.00	.000	.001	.002	.003	.004	.005	.006	.007	.008	.009
.01	.000	.001	.002	.003	.004	.005	.006	.007	.008	.009
.02	.000	.001	.002	.003	.004	.005	.006	.007	.008	.009
.03	.000	.001	.002	.003	.004	.005	.006	.007	.008	.009
.04	.000	.001	.002	.003	.004	.005	.006	.007	.008	.009
.05	.000	.001	.002	.003	.004	.005	.006	.007	.008	.009
.06	.000	.001	.002	.003	.004	.005	.006	.007	.008	.009
.07	.000	.001	.002	.003	.004	.005	.006	.007	.008	.009
.08	.000	.001	.002	.003	.004	.005	.006	.007	.008	.009
.09	.000	.001	.002	.003	.004	.005	.006	.007	.008	.009
.10	.000	.001	.002	.003	.004	.005	.006	.007	.008	.009
.11	.000	.001	.002	.003	.004	.005	.006	.007	.008	.009
.12	.000	.001	.002	.003	.004	.005	.006	.007	.008	.009
.13	.000	.001	.002	.003	.004	.005	.006	.007	.008	.009
.14	.000	.001	.002	.003	.004	.005	.006	.007	.008	.009
.15	.000	.001	.002	.003	.004	.005	.006	.007	.008	.009
.16	.000	.001	.002	.003	.004	.005	.006	.007	.008	.009
.17	.000	.001	.002	.003	.004	.005	.006	.007	.008	.009
.18	.000	.001	.002	.003	.004	.005	.006	.007	.008	.009
.19	.000	.001	.002	.003	.004	.005	.006	.007	.008	.009
.20	.000	.001	.002	.003	.004	.005	.006	.007	.008	.009
.21	.000	.001	.002	.003	.004	.005	.006	.007	.008	.009
.22	.000	.001	.002	.003	.004	.005	.006	.007	.008	.009
.23	.000	.001	.002	.003	.004	.005	.006	.007	.008	.009
.24	.000	.001	.002	.003	.004	.005	.006	.007	.008	.009
.25	.000	.001	.002	.003	.004	.005	.006	.007	.008	.009
.26	.000	.001	.002	.003	.004	.005	.006	.007	.008	.009
.27	.000	.001	.002	.003	.004	.005	.006	.007	.008	.009
.28	.000	.001	.002	.003	.004	.005	.006	.007	.008	.009
.29	.000	.001	.002	.003	.004	.005	.006	.007	.008	.009
.30	.000	.001	.002	.003	.004	.005	.006	.007	.008	.009
.31	.000	.001	.002	.003	.004	.005	.006	.007	.008	.009
.32	.000	.001	.002	.003	.004	.005	.006	.007	.008	.009
.33	.000	.001	.002	.003	.004	.005	.006	.007	.008	.009
.34	.000	.001	.002	.003	.004	.005	.006	.007	.008	.009
.35	.000	.001	.002	.003	.004	.005	.006	.007	.008	.009
.36	.000	.001	.002	.003	.004	.005	.006	.007	.008	.009
.37	.000	.001	.002	.003	.004	.005	.006	.007	.008	.009
.38	.000	.001	.002	.003	.004	.005	.006	.007	.008	.009
.39	.000	.001	.002	.003	.004	.005	.006	.007	.008	.009
.40	.000	.001	.002	.003	.004	.005	.006	.007	.008	.009
.41	.000	.001	.002	.003	.004	.005	.006	.007	.008	.009
.42	.000	.001	.002	.003	.004	.005	.006	.007	.008	.009
.43	.000	.001	.002	.003	.004	.005	.006	.007	.008	.009
.44	.000	.001	.002	.003	.004	.005	.006	.007	.008	.009
.45	.000	.001	.002	.003	.004	.005	.006	.007	.008	.009
.46	.000	.001	.002	.003	.004	.005	.006	.007	.008	.009
.47	.000	.001	.002	.003	.004	.005	.006	.007	.008	.009
.48	.000	.001	.002	.003	.004	.005	.006	.007	.008	.009
.49	.000	.001	.002	.003	.004	.005	.006	.007	.008	.009

WHEN THE MARGINAL VALUES ARE CONSTRUED AS COEFFICIENTS OF CORRELATION, THE CORRESPONDING VALUES IN THE TABLE ARE THE COEFFICIENTS OF ALIENATION AND VICE-VERSA

THE TERM REGRESSION

A still additional statement of the formula for the regression line is

$$\frac{Y_i - \bar{Y}}{SD_y} = r \frac{X_i - \bar{X}}{SD_x}$$

from which we deduce that an estimate Y_i ,¹ expressed in standard deviation units, equals the value X_i on which the estimate is based, also expressed in standard deviation units, multiplied by the correlation coefficient. Since the correlation coefficient in any practical situation is less, in absolute value, than 1, the estimating value is, in these units, closer to the mean than the value used to estimate it. If, the correlation between stature and weight is about 0.5, then using a regression equation to estimate weight from height, we would estimate that a woman one standard deviation above the mean in height would be about 0.5 standard deviations above the mean in weight; that a woman two standard deviations below the mean in height is most likely to be about one standard deviation below average in weight.

It is this nature of the estimates that gave rise to the term *regression* equations; the estimates *regress* toward the mean.

That this phenomenon is not a statistical artifact is, perhaps, best observed by considering the regression values, not as estimates of individual values, but as mean values for groups of individuals all with the same 'X' values. The interested reader can, for example, compute average values for the columns of, say, the first bivariate table in Part C and observe that, except for sampling fluctuations, these column mean values do conform to this regression pattern.

CONFIDENCE LIMITS FOR THE CORRELATION COEFFICIENTS

The statistical nature of the correlation coefficient makes the use of a standard error improper except when the sample size is large and the sample correlation coefficient is of no more than moderate size. While the present sample is sufficiently large so a standard error could be used with most of the correlation coefficients, we have provided a table of confidence limits giving 95% and 99% confidence levels (equivalent more or less to ± 1.96 and ± 2.58 standard errors).

To determine the confidence limits for a given correlation coefficient from table XLVI, locate the values corresponding to r in the 'DOWN' column and in the 'UP' column. The confidence limits are given by subtracting the DOWN value and adding the UP value. If r is negative, determine the limits for the absolute value of r and then change the signs.

Example:

$r = 0.528$, $N = 1905$, 99% confidence limits

for $.525 \leq r < .535$

the DOWN column lists 0.044, the UP column 0.041

$0.528 - 0.044 = 0.484$, $0.528 + 0.041 = 0.569$

Thus, the confidence limits in this case are from 0.484 to 0.569.

These confidence limits are, of course, subject to the same sort of reservations that were expressed in section IV of Part A about the standard errors reported there.

Note—these confidence limits are *not* appropriate for comparing two values of the correlation coefficient based on the same sample. It is not easy, unfortunately, to answer a so deceptively simple question as to whether, for example, in our sample hand length and hand breadth are significantly more highly correlated than are foot length and foot breadth.

TABLE XLVI

CONFIDENCE LIMITS FOR CORRELATION COEFFICIENTS

A - TOTAL SAMPLE (N = 1905)

95% LIMITS			95% LIMITS			99% LIMITS			99% LIMITS			99% LIMITS		
RANGE	DOWN	UP	RANGE	DOWN	UP	RANGE	DOWN	UP	RANGE	DOWN	UP	RANGE	DOWN	UP
.000<R<.076	45	45	.696<R<.732	24	22	.303<R<.071	59	59	.610<R<.613	38	36	.867<R<.871	15	14
.177<R<.123	45	44	.733<R<.711	23	22	.672<R<.129	59	58	.614<R<.623	38	35	.872<R<.875	15	13
.121<R<.156	44	44	.712<R<.717	23	21	.130<R<.135	58	58	.624<R<.627	37	35	.876<R<.881	14	13
.157<R<.203	44	43	.718<R<.727	22	21	.136<R<.191	58	57	.628<R<.636	37	34	.882<R<.885	14	12
.211<R<.211	43	43	.728<R<.732	22	20	.182<R<.192	58	56	.637<R<.641	36	34	.886<R<.891	13	12
.212<R<.253	43	42	.733<R<.742	21	20	.193<R<.213	57	56	.642<R<.649	36	33	.892<R<.894	13	11
.254<R<.255	42	42	.743<R<.747	21	19	.219<R<.237	57	55	.650<R<.654	35	33	.895<R<.901	12	11
.255<R<.293	42	41	.748<R<.757	20	19	.238<R<.251	56	55	.655<R<.662	35	32	.902<R<.903	12	10
.294<R<.297	42	40	.758<R<.762	20	18	.252<R<.274	56	54	.663<R<.667	34	32	.904<R<.911	11	10
.298<R<.327	41	40	.763<R<.772	19	18	.275<R<.293	55	54	.668<R<.674	34	31	.912<R<.920	10	9
.328<R<.334	41	39	.773<R<.776	19	17	.281<R<.307	55	53	.675<R<.680	33	31	.921<R<.929	9	8
.335<R<.359	40	39	.777<R<.787	18	17	.308<R<.332	54	53	.681<R<.686	33	30	.930<R<.930	8	8
.350<R<.367	40	38	.788<R<.790	18	16	.308<R<.332	54	52	.687<R<.692	32	30	.931<R<.938	8	7
.368<R<.387	39	38	.791<R<.801	17	16	.333<R<.334	54	51	.693<R<.698	32	29	.939<R<.940	7	7
.388<R<.397	39	37	.802<R<.813	17	15	.335<R<.355	53	51	.699<R<.705	31	29	.941<R<.946	7	6
.398<R<.414	38	37	.804<R<.815	16	15	.355<R<.360	53	50	.706<R<.710	31	28	.947<R<.949	6	6
.415<R<.425	38	36	.816<R<.817	16	14	.361<R<.378	52	50	.711<R<.717	30	28	.950<R<.955	6	5
.428<R<.440	37	36	.818<R<.829	15	14	.379<R<.384	52	49	.718<R<.722	30	27	.956<R<.958	5	5
.441<R<.451	37	35	.830<R<.833	15	13	.385<R<.393	51	49	.723<R<.729	29	27	.959<R<.963	5	4
.452<R<.464	36	35	.831<R<.833	14	13	.400<R<.406	51	48	.730<R<.733	29	26	.964<R<.968	4	4
.465<R<.475	36	34	.844<R<.855	13	12	.407<R<.419	50	48	.734<R<.741	28	26	.969<R<.971	4	3
.476<R<.487	35	34	.856<R<.856	12	12	.420<R<.427	50	47	.742<R<.744	28	25	.972<R<.977	3	3
.488<R<.499	35	33	.857<R<.868	12	11	.428<R<.433	49	47	.745<R<.752	27	25	.978<R<.979	3	2
.500<R<.509	34	33	.869<R<.870	11	11	.439<R<.447	49	46	.753<R<.755	27	24	.980<R<.986	2	2
.510<R<.521	34	32	.871<R<.880	11	10	.448<R<.456	48	46	.756<R<.764	26	24	.987<R<.987	2	1
.522<R<.530	33	32	.881<R<.883	10	10	.457<R<.466	48	45	.765<R<.766	26	23	.988<R<.995	1	1
.511<R<.542	33	31	.884<R<.892	10	9	.467<R<.474	47	45	.767<R<.775	25	23	.996<R<.996	1	0
.543<R<.551	32	31	.893<R<.896	9	9	.475<R<.484	47	44	.776<R<.777	25	22			
.552<R<.562	32	30	.897<R<.904	9	8	.485<R<.491	46	44	.778<R<.786	24	22			
.553<R<.571	31	30	.905<R<.918	8	8	.492<R<.502	46	43	.787<R<.787	24	21			
.572<R<.581	31	29	.909<R<.916	8	7	.503<R<.508	45	43	.788<R<.797	23	21			
.582<R<.590	30	29	.917<R<.921	7	7	.509<R<.519	45	42	.798<R<.798	23	20			
.591<R<.600	30	28	.922<R<.928	7	6	.520<R<.524	44	42	.799<R<.808	22	20			
.601<R<.609	29	28	.929<R<.934	6	6	.525<R<.535	44	41	.809<R<.818	21	19			
.610<R<.618	29	27	.935<R<.939	6	5	.536<R<.543	43	41	.819<R<.819	20	19			
.619<R<.627	28	27	.940<R<.946	5	5	.541<R<.551	43	40	.820<R<.828	20	18			
.628<R<.636	28	26	.947<R<.950	5	4	.552<R<.555	42	40	.829<R<.830	19	18			
.637<R<.644	27	26	.951<R<.959	4	4	.556<R<.565	42	39	.831<R<.837	19	17			
.645<R<.653	27	25	.959<R<.961	4	3	.567<R<.570	41	39	.838<R<.840	18	17			
.654<R<.662	26	25	.962<R<.970	3	3	.571<R<.581	41	38	.841<R<.847	18	16			
.663<R<.673	26	24	.971<R<.973	3	2	.582<R<.585	40	38	.848<R<.851	17	16			
.671<R<.678	25	24	.974<R<.982	2	2	.586<R<.595	40	37	.852<R<.857	17	15			
.679<R<.686	25	23	.983<R<.983	2	1	.596<R<.599	39	37	.858<R<.861	16	15			
.687<R<.695	24	23	.984<R<.994	1	1	.600<R<.609	39	36	.862<R<.866	16	14			

RANGES

ARE

INCLUSIVE OF
OF ENDPOINTS

VALUES APPEARING ON THIS PAGE APPLY TO COEFFICIENTS APPEARING IN TABLES XXIV, XXVI, XXVII, & XXXIII, AND-WITH, AT MOST, SMALL ERRORS-TO THE MULTIPLE R'S IN TABLES XXVII & XXXIV AND THE PARTIAL R'S IN TABLES XXX & XXXI

(THEY ARE NOT APPROPRIATE FOR USE WITH TABLES XXVIII & XXIX)

CONFIDENCE LIMITS FOR CORRELATION COEFFICIENTS

VALUES APPEARING ON THIS PAGE APPLY TO COEFFICIENTS APPEARING IN TABLE XXV

A brief comment on the construction of table XLVI. This table is based on R. A. Fisher's observation that $Z = \frac{1}{2} \log_e ((1+r)/(1-r))$ has an almost normal distribution with a standard error almost independent of the size of r and equal to $1/\sqrt{N-3}$. To find confidence limits for r , many texts advise one to convert r to Z , find confidence limits Z_1 and Z_2 for Z and then convert Z_1 and Z_2 back using the formula

$$r = (e^{2Z} - 1) / (e^{2Z} + 1)$$

Actually, it is not necessary to ever convert r to Z or back again.

If K = the appropriate number of standard errors (1.96 or 2.58, for example), set

$$A = e^{2K/\sqrt{N-3}}$$

The desired confidence limits are then

$$r_1 = \frac{(1+r) - A(1-r)}{(1+r) + A(1-r)}, \text{ and } r_2 = \frac{(1+r)A - (1-r)}{(1+r)A + (1-r)}$$

MULTIPLE CORRELATIONS AND REGRESSIONS

The problem differs little from the one for simple correlation. We assume the existence of a set of ordered k -tuples

$$(X_{1,1}, X_{2,1}, \dots, X_{k,1})$$

and desire to select the values a, b_1, \dots, b_k such that

$$SQ = \sum (X_{1,i} - a - \sum_{j=1}^k b_j X_{j,i})^2$$

is a minimum.

Differentiating SQ with respect to a, b_1, \dots, b_k as we did in the case of the single predictor, we can obtain the desired values. In addition, we can obtain the minimum value of SQ and define the multiple correlation in terms of it as

$$R = \sqrt{1 - \frac{SQ_{\min}}{N \cdot SD_1^2}}$$

When $k = 2$, the equation becomes ($r_{1,2}$ = the correlation of X_1 and X_2 , $r_{1,3}$ of X_1 and X_3 , $r_{2,3}$ of X_2 and X_3).

$$X_1 = B_2 \frac{\sigma_1}{\sigma_2} (X_{2,1} - \bar{X}_2) + B_3 \frac{\sigma_1}{\sigma_3} (X_{3,1} - \bar{X}_3) + \bar{X}_1$$

where

$$B_2 = \frac{r_{1,2} - r_{2,3} r_{1,3}}{1 - r_{2,3}^2}, B_3 = \frac{r_{1,3} - r_{2,3} r_{1,2}}{1 - r_{2,3}^2}$$

and

$$R = \sqrt{r_{1,2} B_2 + r_{1,3} B_3} = \sqrt{\frac{r_{1,2}^2 + r_{1,3}^2 - 2r_{1,2} r_{1,3} r_{2,3}}{1 - r_{2,3}^2}}$$

The regression equation can be derived without computing the correlation coefficients, but there seems little point in doing this.

The formulas as written out for the two-predictor case do not extend to more than two predictors. However, if we define in the general case the determinant of the correlation coefficients

$$D = \begin{vmatrix} r_{1,1} & r_{1,2} & r_{1,3} & \dots & r_{1,k} \\ r_{2,1} & r_{2,2} & r_{2,3} & \dots & r_{2,k} \\ . & . & . & \dots & . \\ . & . & . & \dots & . \\ r_{k,1} & r_{k,2} & r_{k,3} & \dots & r_{k,k} \end{vmatrix}$$

where $r_{j,h} = r_{h,j}$ = the correlation between X_j and X_h , $r_{j,j} = 1.0$, and $D_{j,h} = (-1)^{j+h}$ times the determinant obtained by removing the j -th row and h -th column, then the regression equation for X_1 is:

$$\frac{X_1 - \bar{X}_1}{SD_1} = - \sum_{j=2}^k \frac{D_{1,j}}{D_{1,1}} \left(\frac{X_j - \bar{X}_j}{SD_j} \right)$$

the standard error of estimate for X_1 is

$$SD_1 \sqrt{D/D_{1,1}}$$

and the multiple correlation coefficient is

$$R = \sqrt{1 - D/D_{1,1}}$$

It may be noted that non-linear regression equations are not only possible but are well included in the previous discussion. If, for example, an equation of the form

$$Z = a + bX + cX^2 + dY + eXY + f\sqrt{Y}$$

is desired, all that is necessary is to redefine the variables:

$$X_1 = Z, X_2 = X, X_3 = X^2, X_4 = Y, X_5 = XY, X_6 = \sqrt{Y}$$

To develop the equation it will be necessary, of course, to know the correlations among all the variables involved, that is, Z , X , X^2 , Y , XY , and \sqrt{Y} .

A TABLE FOR ESTIMATING MULTIPLE CORRELATION COEFFICIENTS

The formula:

$$R^2 = \frac{r_{1,2}^2 + r_{1,3}^2 - 2r_{1,2}r_{1,3}r_{2,3}}{1 - r_{2,3}^2}$$

does not easily fit into a nomograph or similar chart form. Table XLVIII, however, does permit quick estimates of the values of R given $r_{1,2}$, $r_{1,3}$, and $r_{2,3}$. The line in the table corresponding to the values closest to $r_{1,2}$ and $r_{1,3}$ (without regard to order) is entered, and an increment is located in the column corresponding to the value closest to $r_{2,3}$.

Example: $r_{1,2} = 0.72$, $r_{1,3} = 0.81$, $r_{2,3} = 0.62$.

The proper line is that for 0.80, 0.70 and the desired column is that headed 0.60. The indicated increment is to be added to the larger of $r_{1,2}$ and $r_{1,3}$. Hence the multiple correlation for X_1 in terms of X_2 and X_3 will be about $0.81 + 0.05 = 0.86$.

Some things about the value of R can be noted from this table. For many combinations, the multiple correlation coefficient will be only slightly higher than the larger of the simple correlations between the predictors and the predicted variable. This, unfortunately, occurs often in practice.

TABLE XLVII

CENTIMETERS TO INCHES - INCH EQUIVALENTS OF VALUES FROM 2.81 TO 5.60 CENTIMETERS

CM	IN	CM	IN	CM	IN	CM	IN	CM	IN	CM	IN	CM	IN	CM	IN
2.81	1.1063	3.21	1.2638	3.61	1.4213	4.01	1.5787	4.41	1.7362	4.81	1.8937	5.21	2.0512		
2.82	1.1102	3.22	1.2677	3.62	1.4252	4.02	1.5827	4.42	1.7402	4.82	1.8976	5.22	2.0551		
2.83	1.1142	3.23	1.2717	3.63	1.4291	4.03	1.5866	4.43	1.7441	4.83	1.9016	5.23	2.0591		
2.84	1.1181	3.24	1.2756	3.64	1.4331	4.04	1.5916	4.44	1.7480	4.84	1.9055	5.24	2.0630		
2.85	1.1220	3.25	1.2795	3.65	1.4370	4.05	1.5945	4.45	1.7520	4.85	1.9094	5.25	2.0669		
2.86	1.1260	3.26	1.2835	3.66	1.4409	4.06	1.5984	4.46	1.7559	4.86	1.9134	5.26	2.0709		
2.87	1.1299	3.27	1.2874	3.67	1.4449	4.07	1.6024	4.47	1.7598	4.87	1.9173	5.27	2.0748		
2.88	1.1339	3.28	1.2913	3.68	1.4489	4.08	1.6063	4.48	1.7638	4.88	1.9213	5.28	2.0787		
2.89	1.1378	3.29	1.2953	3.69	1.4528	4.09	1.6102	4.49	1.7677	4.89	1.9252	5.29	2.0827		
2.90	1.1417	3.30	1.2992	3.70	1.4567	4.10	1.6142	4.50	1.7717	4.90	1.9291	5.30	2.0866		
2.91	1.1457	3.31	1.3031	3.71	1.4606	4.11	1.6181	4.51	1.7756	4.91	1.9331	5.31	2.0906		
2.92	1.1496	3.32	1.3071	3.72	1.4646	4.12	1.6220	4.52	1.7795	4.92	1.9370	5.32	2.0945		
2.93	1.1535	3.33	1.3110	3.73	1.4685	4.13	1.6260	4.53	1.7835	4.93	1.9409	5.33	2.0984		
2.94	1.1575	3.34	1.3150	3.74	1.4724	4.14	1.6299	4.54	1.7874	4.94	1.9449	5.34	2.1024		
2.95	1.1614	3.35	1.3189	3.75	1.4764	4.15	1.6339	4.55	1.7913	4.95	1.9488	5.35	2.1063		
2.96	1.1654	3.36	1.3228	3.76	1.4803	4.16	1.6378	4.56	1.7953	4.96	1.9528	5.36	2.1102		
2.97	1.1693	3.37	1.3268	3.77	1.4843	4.17	1.6417	4.57	1.7992	4.97	1.9567	5.37	2.1142		
2.98	1.1732	3.38	1.3307	3.78	1.4882	4.18	1.6457	4.58	1.8031	4.98	1.9606	5.38	2.1181		
2.99	1.1772	3.39	1.3346	3.79	1.4921	4.19	1.6496	4.59	1.8071	4.99	1.9646	5.39	2.1220		
3.00	1.1811	3.40	1.3386	3.80	1.4961	4.20	1.6535	4.60	1.8110	5.00	1.9685	5.40	2.1260		
3.01	1.1850	3.41	1.3425	3.81	1.5000	4.21	1.6575	4.61	1.8150	5.01	1.9724	5.41	2.1299		
3.02	1.1890	3.42	1.3465	3.82	1.5039	4.22	1.6614	4.62	1.8189	5.02	1.9764	5.42	2.1339		
3.03	1.1929	3.43	1.3504	3.83	1.5079	4.23	1.6654	4.63	1.8228	5.03	1.9803	5.43	2.1378		
3.04	1.1969	3.44	1.3543	3.84	1.5119	4.24	1.6693	4.64	1.8268	5.04	1.9843	5.44	2.1417		
3.05	1.2008	3.45	1.3583	3.85	1.5157	4.25	1.6732	4.65	1.8307	5.05	1.9882	5.45	2.1457		
3.06	1.2047	3.46	1.3622	3.86	1.5197	4.26	1.6772	4.66	1.8346	5.06	1.9921	5.46	2.1496		
3.07	1.2087	3.47	1.3661	3.87	1.5236	4.27	1.6811	4.67	1.8385	5.07	1.9961	5.47	2.1535		
3.08	1.2126	3.48	1.3701	3.88	1.5276	4.28	1.6850	4.68	1.8425	5.08	2.0000	5.48	2.1575		
3.09	1.2165	3.49	1.3741	3.89	1.5315	4.29	1.6890	4.69	1.8465	5.09	2.0039	5.49	2.1614		
3.10	1.2205	3.50	1.3780	3.90	1.5354	4.30	1.6929	4.70	1.8504	5.10	2.0079	5.50	2.1654		
3.11	1.2244	3.51	1.3819	3.91	1.5394	4.31	1.6969	4.71	1.8543	5.11	2.0118	5.51	2.1693		
3.12	1.2283	3.52	1.3858	3.92	1.5433	4.32	1.7008	4.72	1.8583	5.12	2.0157	5.52	2.1732		
3.13	1.2323	3.53	1.3898	3.93	1.5472	4.33	1.7047	4.73	1.8622	5.13	2.0197	5.53	2.1772		
3.14	1.2362	3.54	1.3937	3.94	1.5512	4.34	1.7087	4.74	1.8661	5.14	2.0236	5.54	2.1811		
3.15	1.2402	3.55	1.3976	3.95	1.5551	4.35	1.7126	4.75	1.8701	5.15	2.0276	5.55	2.1850		
3.16	1.2441	3.56	1.4016	3.96	1.5591	4.36	1.7165	4.76	1.8740	5.16	2.0315	5.56	2.1890		
3.17	1.2480	3.57	1.4055	3.97	1.5630	4.37	1.7205	4.77	1.8780	5.17	2.0354	5.57	2.1929		
3.18	1.2520	3.58	1.4094	3.98	1.5669	4.38	1.7244	4.78	1.8819	5.18	2.0394	5.58	2.1969		
3.19	1.2559	3.59	1.4134	3.99	1.5709	4.39	1.7283	4.79	1.8858	5.19	2.0433	5.59	2.2008		
3.20	1.2598	3.60	1.4173	4.00	1.5748	4.40	1.7323	4.80	1.8898	5.20	2.0472	5.60	2.2047		

TABLE XLVII

CENTIMETERS TO INCHES—INCH EQUIVALENTS OF VALUES FROM 5.61 TO 8.40 CENTIMETERS

CM	IN	CM	IN	CM	IN	CM	IN	CM	IN	CM	IN	CM	IN	CM	IN	CM	IN	CM	IN
5.61	2.2097	6.01	2.3661	6.41	2.5236	6.81	2.6811	7.21	2.8386	7.61	2.9961	8.01	3.1535						
5.62	2.2126	6.02	2.3701	6.42	2.5275	6.82	2.6850	7.22	2.8425	7.62	3.0000	8.02	3.1575						
5.63	2.2155	6.03	2.3740	6.43	2.5315	6.83	2.6890	7.23	2.8465	7.63	3.0039	8.03	3.1614						
5.64	2.2185	6.04	2.3783	6.44	2.5354	6.84	2.6929	7.24	2.8504	7.64	3.0079	8.04	3.1654						
5.65	2.2214	6.05	2.3819	6.45	2.5394	6.85	2.6969	7.25	2.8543	7.65	3.0118	8.05	3.1693						
5.66	2.2243	6.06	2.3858	6.46	2.5433	6.86	2.7008	7.26	2.8583	7.66	3.0157	8.06	3.1732						
5.67	2.2273	6.07	2.3898	6.47	2.5472	6.87	2.7047	7.27	2.8622	7.67	3.0197	8.07	3.1772						
5.68	2.2302	6.08	2.3937	6.48	2.5512	6.88	2.7087	7.28	2.8661	7.68	3.0236	8.08	3.1811						
5.69	2.2332	6.09	2.3976	6.49	2.5551	6.89	2.7126	7.29	2.8701	7.69	3.0276	8.09	3.1850						
5.70	2.2361	6.10	2.4015	6.50	2.5591	6.90	2.7165	7.30	2.8740	7.70	3.0315	8.10	3.1890						
5.71	2.2390	6.11	2.4055	6.51	2.5630	6.91	2.7205	7.31	2.8780	7.71	3.0354	8.11	3.1929						
5.72	2.2420	6.12	2.4094	6.52	2.5669	6.92	2.7244	7.32	2.8819	7.72	3.0394	8.12	3.1969						
5.73	2.2450	6.13	2.4134	6.53	2.5709	6.93	2.7283	7.33	2.8858	7.73	3.0433	8.13	3.2008						
5.74	2.2480	6.14	2.4173	6.54	2.5749	6.94	2.7323	7.34	2.8898	7.74	3.0472	8.14	3.2047						
5.75	2.2510	6.15	2.4213	6.55	2.5787	6.95	2.7362	7.35	2.8937	7.75	3.0512	8.15	3.2087						
5.76	2.2540	6.16	2.4252	6.56	2.5827	6.96	2.7402	7.36	2.8977	7.76	3.0551	8.16	3.2126						
5.77	2.2570	6.17	2.4291	6.57	2.5866	6.97	2.7441	7.37	2.9016	7.77	3.0591	8.17	3.2165						
5.78	2.2600	6.18	2.4331	6.58	2.5906	6.98	2.7480	7.38	2.9055	7.78	3.0630	8.18	3.2205						
5.79	2.2630	6.19	2.4370	6.59	2.5945	6.99	2.7520	7.39	2.9094	7.79	3.0669	8.19	3.2244						
5.80	2.2660	6.20	2.4409	6.60	2.5984	7.00	2.7559	7.40	2.9134	7.80	3.0709	8.20	3.2283						
5.81	2.2690	6.21	2.4449	6.61	2.6024	7.01	2.7598	7.41	2.9173	7.81	3.0748	8.21	3.2323						
5.82	2.2720	6.22	2.4488	6.62	2.6063	7.02	2.7638	7.42	2.9213	7.82	3.0787	8.22	3.2362						
5.83	2.2750	6.23	2.4528	6.63	2.6102	7.03	2.7677	7.43	2.9252	7.83	3.0827	8.23	3.2402						
5.84	2.2780	6.24	2.4567	6.64	2.6142	7.04	2.7717	7.44	2.9291	7.84	3.0866	8.24	3.2441						
5.85	2.2810	6.25	2.4606	6.65	2.6181	7.05	2.7756	7.45	2.9331	7.85	3.0906	8.25	3.2480						
5.86	2.2840	6.26	2.4646	6.66	2.6220	7.06	2.7795	7.46	2.9370	7.86	3.0945	8.26	3.2520						
5.87	2.2870	6.27	2.4685	6.67	2.6260	7.07	2.7835	7.47	2.9409	7.87	3.0984	8.27	3.2559						
5.88	2.2900	6.28	2.4724	6.68	2.6300	7.08	2.7874	7.48	2.9449	7.88	3.1024	8.28	3.2598						
5.89	2.2930	6.29	2.4764	6.69	2.6339	7.09	2.7913	7.49	2.9489	7.89	3.1063	8.29	3.2638						
5.90	2.2960	6.30	2.4803	6.70	2.6379	7.10	2.7953	7.50	2.9528	7.90	3.1102	8.30	3.2677						
5.91	2.2990	6.31	2.4843	6.71	2.6417	7.11	2.7992	7.51	2.9567	7.91	3.1142	8.31	3.2717						
5.92	2.3020	6.32	2.4882	6.72	2.6457	7.12	2.8031	7.52	2.9606	7.92	3.1181	8.32	3.2756						
5.93	2.3050	6.33	2.4921	6.73	2.6496	7.13	2.8071	7.53	2.9646	7.93	3.1220	8.33	3.2795						
5.94	2.3080	6.34	2.4961	6.74	2.6535	7.14	2.8110	7.54	2.9685	7.94	3.1260	8.34	3.2835						
5.95	2.3110	6.35	2.5000	6.75	2.6575	7.15	2.8150	7.55	2.9724	7.95	3.1299	8.35	3.2874						
5.96	2.3140	6.36	2.5039	6.76	2.6614	7.16	2.8189	7.56	2.9764	7.96	3.1339	8.36	3.2913						
5.97	2.3170	6.37	2.5079	6.77	2.6654	7.17	2.8228	7.57	2.9803	7.97	3.1378	8.37	3.2953						
5.98	2.3200	6.38	2.5118	6.78	2.6694	7.18	2.8268	7.58	2.9843	7.98	3.1417	8.38	3.2992						
5.99	2.3230	6.39	2.5157	6.79	2.6732	7.19	2.8307	7.59	2.9882	7.99	3.1457	8.39	3.3031						
6.00	2.3260	6.40	2.5197	6.80	2.6772	7.20	2.8346	7.60	2.9921	8.00	3.1496	8.40	3.3071						

TABLE XLVII

CENTIMETERS TO INCHES-INCH EQUIVALENTS FOR 8.40 TO 10.00 CENTIMETERS PLUS KILOGRAM-POUND EQUIVALENCES

CM	IN	CM	IN	CM	IN	KG	LB	KG	LB	KG	LB
8.41	3.31102	8.81	3.46851	9.21	3.62598	9.61	3.78346	10.01	3.94093	10.41	4.09840
8.42	3.31496	8.82	3.47244	9.22	3.62992	9.62	3.78740	10.02	3.94487	10.42	4.10234
8.43	3.31890	8.83	3.47638	9.23	3.63385	9.63	3.79134	10.03	3.94883	10.43	4.10628
8.44	3.32283	8.84	3.48032	9.24	3.63779	9.64	3.79528	10.04	3.95279	10.44	4.11022
8.45	3.32677	8.85	3.48425	9.25	3.64173	9.65	3.79921	10.05	3.95675	10.45	4.11416
8.46	3.33071	8.86	3.48819	9.26	3.64567	9.66	3.80315	10.06	3.96071	10.46	4.11810
8.47	3.33465	8.87	3.49213	9.27	3.64961	9.67	3.80709	10.07	3.96467	10.47	4.12204
8.48	3.33858	8.88	3.49606	9.28	3.65354	9.68	3.81102	10.08	3.96863	10.48	4.12598
8.49	3.34252	8.89	3.50000	9.29	3.65748	9.69	3.81496	10.09	3.97259	10.49	4.12992
8.50	3.34646	8.90	3.50394	9.30	3.66142	9.70	3.81890	10.10	3.97655	10.50	4.13386
8.51	3.35039	8.91	3.50787	9.31	3.66535	9.71	3.82283	10.11	3.98051	10.51	4.13780
8.52	3.35433	8.92	3.51181	9.32	3.66929	9.72	3.82677	10.12	3.98447	10.52	4.14174
8.53	3.35827	8.93	3.51575	9.33	3.67323	9.73	3.83071	10.13	3.98843	10.53	4.14568
8.54	3.36220	8.94	3.51969	9.34	3.67717	9.74	3.83465	10.14	3.99239	10.54	4.14962
8.55	3.36614	8.95	3.52362	9.35	3.68110	9.75	3.83858	10.15	3.99635	10.55	4.15356
8.56	3.37008	8.96	3.52756	9.36	3.68504	9.76	3.84252	10.16	3.99999	10.56	4.15750
8.57	3.37402	8.97	3.53150	9.37	3.68898	9.77	3.84646	10.17	4.00395	10.57	4.16144
8.58	3.37795	8.98	3.53543	9.38	3.69291	9.78	3.85040	10.18	4.00791	10.58	4.16538
8.59	3.38189	8.99	3.53937	9.39	3.69685	9.79	3.85433	10.19	4.01187	10.59	4.16932
8.60	3.38583	9.00	3.54331	9.40	3.70079	9.80	3.85827	10.20	4.01583	10.60	4.17326
8.61	3.38976	9.01	3.54724	9.41	3.70472	9.81	3.86220	10.21	4.01979	10.61	4.17720
8.62	3.39370	9.02	3.55118	9.42	3.70866	9.82	3.86614	10.22	4.02375	10.62	4.18114
8.63	3.39764	9.03	3.55512	9.43	3.71260	9.83	3.87008	10.23	4.02771	10.63	4.18508
8.64	3.40157	9.04	3.55906	9.44	3.71654	9.84	3.87402	10.24	4.03167	10.64	4.18902
8.65	3.40551	9.05	3.56299	9.45	3.72047	9.85	3.87795	10.25	4.03563	10.65	4.19296
8.66	3.40945	9.06	3.56693	9.46	3.72441	9.86	3.88189	10.26	4.03959	10.66	4.19690
8.67	3.41339	9.07	3.57087	9.47	3.72835	9.87	3.88583	10.27	4.04355	10.67	4.20084
8.68	3.41732	9.08	3.57480	9.48	3.73229	9.88	3.88976	10.28	4.04751	10.68	4.20478
8.69	3.42126	9.09	3.57874	9.49	3.73622	9.89	3.89370	10.29	4.05147	10.69	4.20872
8.70	3.42520	9.10	3.58268	9.50	3.74016	9.90	3.89764	10.30	4.05543	10.70	4.21266
8.71	3.42913	9.11	3.58661	9.51	3.74409	9.91	3.90157	10.31	4.05939	10.71	4.21660
8.72	3.43307	9.12	3.59055	9.52	3.74803	9.92	3.90551	10.32	4.06335	10.72	4.22054
8.73	3.43701	9.13	3.59449	9.53	3.75197	9.93	3.90945	10.33	4.06731	10.73	4.22448
8.74	3.44094	9.14	3.59843	9.54	3.75591	9.94	3.91339	10.34	4.07127	10.74	4.22842
8.75	3.44488	9.15	3.60236	9.55	3.75984	9.95	3.91732	10.35	4.07523	10.75	4.23236
8.76	3.44882	9.16	3.60630	9.56	3.76378	9.96	3.92126	10.36	4.07919	10.76	4.23630
8.77	3.45276	9.17	3.61024	9.57	3.76772	9.97	3.92520	10.37	4.08315	10.77	4.24024
8.78	3.45669	9.18	3.61417	9.58	3.77165	9.98	3.92913	10.38	4.08711	10.78	4.24418
8.79	3.46063	9.19	3.61811	9.59	3.77559	9.99	3.93307	10.39	4.09107	10.79	4.24812
8.80	3.46457	9.20	3.62205	9.60	3.77953	10.00	3.93701	10.40	4.09503	10.80	4.25206

TABLE XLVIII

A TABLE FOR ESTIMATING THE MULTIPLE CORRELATION OF Z IN TERMS OF X & Y GIVEN THE CORRELATIONS R(Z,X), R(Z,Y), R(X,Y)

A	B	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95							
.050	.0	8	6	5	3	2	2	1	1	0	0	0	0	0	0	1	1	2	2	3	5	6	8	10	12	16	20	26	33	45	65	110						
.050	.050	50	45	41	38	35	32	29	27	25	23	21	19	17	16	15	13	12	11	10	9	8	7	6	5	4	3	3	3	2	1	1						
.100	.0	15	12	9	7	5	3	2	1	1	0	0	0	0	0	1	1	2	3	5	7	9	12	15	20	25	32	40	51	67	90	129	220					
.100	.050	53	46	40	35	31	26	23	20	17	14	13	10	8	6	5	3	2	1	1	0	0	0	0	1	2	4	7	12	20	36	75						
.100	.100	100	91	83	75	69	63	58	53	49	45	41	38	35	32	29	26	24	22	20	17	15	14	12	10	8	7	5	4	3	1	1						
.150	.0	23	18	14	10	7	5	3	2	1	0	0	0	0	0	1	1	2	3	5	7	10	14	18	23	30	37	47	60	77	100	135	194	330				
.150	.050	58	50	42	36	31	25	21	17	14	11	8	6	4	3	1	0	0	0	0	1	1	3	5	8	13	19	27	40	60	96	182						
.150	.100	102	90	80	71	64	57	50	45	39	35	31	25	23	19	16	13	11	9	8	6	4	3	1	1	0	0	1	4	9	20	53						
.150	.150	150	136	124	113	104	95	87	80	74	68	62	57	52	48	44	40	36	33	29	26	23	20	18	15	13	10	8	6	4	2	2						
.200	.0	31	24	18	14	10	7	4	2	1	0	0	0	0	0	1	1	2	3	5	8	13	18	26	36	51	71	103	159	291								
.200	.050	65	54	45	38	31	25	20	16	12	9	6	4	2	1	0	0	0	0	1	1	3	5	8	13	20	30	44	64	94	141							
.200	.100	106	92	80	70	61	53	46	39	34	28	24	19	16	12	9	7	4	3	1	1	0	0	2	4	8	14	24	40	71	131							
.200	.150	151	135	121	108	97	88	79	71	63	56	50	44	39	34	29	25	21	17	14	11	8	6	3	2	0	0	1	4	12	38							
.200	.200	200	181	165	151	138	127	116	107	98	90	83	76	70	64	58	53	48	43	39	35	31	27	24	20	17	14	11	8	5	3	3						
.250	.0	39	30	23	17	12	8	5	3	1	0	0	0	0	0	1	1	2	3	5	8	13	21	30	41	55	75	104	147	223	400							
.250	.050	71	59	49	40	32	26	20	15	11	8	5	3	1	0	0	0	0	1	1	3	5	9	15	21	30	41	56	74	100	136	191	287	510				
.250	.100	111	95	82	70	63	51	43	36	30	24	19	15	11	8	5	3	1	0	0	1	1	3	6	10	15	21	30	41	56	74	100	136	191	287	510		
.250	.150	154	136	120	106	94	83	73	64	56	48	42	35	30	25	20	16	12	9	6	4	2	0	0	2	4	8	13	21	33	50	79	130	256				
.250	.200	201	180	162	146	132	119	107	97	87	78	70	63	56	49	43	38	32	27	23	19	15	11	8	5	2	1	0	1	4	12	38						
.300	.0	46	36	27	20	14	10	6	3	2	0	0	0	0	0	1	1	2	3	5	8	13	21	30	41	56	74	100	136	191	287	510						
.300	.050	79	65	53	43	34	27	21	15	11	7	4	2	1	0	0	0	1	1	3	5	9	15	21	30	41	56	74	100	136	191	287	510					
.300	.100	116	99	84	71	60	50	42	34	27	21	15	12	8	5	3	1	0	0	1	1	3	6	10	15	21	30	41	56	74	100	136	191	287	510			
.300	.150	158	138	120	105	92	79	69	59	50	42	35	29	23	18	14	10	7	4	2	0	0	1	1	3	6	10	15	21	30	41	56	74	100	136	191	287	510
.300	.200	203	180	160	143	127	113	101	89	79	69	61	53	45	38	32	27	21	17	12	9	6	3	1	0	0	1	4	11	19	30	49	78	126	226			
.300	.250	251	225	203	183	166	150	136	123	111	101	91	81	73	65	57	50	44	38	32	26	21	17	12	9	6	3	1	0	2	7	18	40	105				
.350	.0	54	42	32	24	17	11	7	4	2	0	0	0	0	0	1	1	2	3	5	8	13	21	30	41	56	74	100	136	191	287	510						
.350	.050	86	70	57	45	36	28	21	15	11	7	4	2	1	0	0	0	1	1	3	5	9	15	21	30	41	56	74	100	136	191	287	510					
.350	.100	123	103	87	73	61	50	41	32	25	19	14	10	6	3	1	0	0	1	1	3	6	10	15	21	30	41	56	74	100	136	191	287	510				
.350	.150	163	141	122	105	93	77	65	56	46	38	31	24	19	14	9	6	3	1	0	0	1	1	3	6	10	15	21	30	41	56	74	100	136	191	287	510	
.350	.200	207	182	160	141	124	109	95	83	72	62	53	45	37	30	24	19	14	10	6	3	1	0	0	1	1	4	11	19	30	49	78	126	226				
.350	.250	253	225	201	180	161	144	129	115	102	91	80	70	61	53	45	38	32	26	20	15	11	7	4	2	0	0	1	4	11	19	30	49	78	126	226		
.350	.300	301	270	244	221	200	182	165	150	136	123	111	100	90	80	71	63	55	48	41	35	29	23	18	13	8	5	2	0	2	7	17	35	73	177			
.350	.350	350	317	289	264	242	222	203	187	172	158	145	133	122	112	102	93	84	76	68	61	54	48	41	35	30	24	19	14	9	4	2	15	4				
.400	.0	62	48	36	27	19	13	8	5	2	1	0	0	0	0	1	1	2	3	5	8	13	21	30	41	56	74	100	136	191	287	510						
.400	.050	93	76	61	48	38	29	21	15	10	6	3	1	0	0	0	0	1	1	3	5	9	15	21	30	41	56	74	100	136	191	287	510					
.400	.100	129	108	92	75	62	50	40	31	24	18	12	9	5	2	1	0	0	1	1	3	6	10	15	21	30	41	56	74	100	136	191	287	510				
.400	.150	169	145	124	106	90	76	64	53	43	35	27	21	15	10	6	3	1	0	0	1	1	3	6	10	15	21	30	41	56	74	100	136	191	287	510		
.400	.200	211	194	161	140	122	106	92	79	67	57	47	39	31	24	18	13	9	5	2	1	0	0	1	1	4	9	16	25	39	60	90	139	226	438			
.400	.250	256	226	200	177	157	139	123	108	95	83	72	62	52	44	36	29	23	17	12	8	4	2	0	0	1	3	8	15	28	47	80	143	302				
.400	.300	302	270	242	217	195	175	157	141	126	113	100	88	78	68	59	50	42	35	28	22	16	11	7	3	1	0	1	4	11	19	30	49	78	126	226		
.400	.350	351	316	285	258	235	213	194	176	160	143	132	119	107	96	86	76	67	59	51	43	36	29	23	17	12	7	3	1	0	2	7	17	35	73	177		
.450	.0	70	54	41	30	22	15	9	5	2	1	0	0	0	0	1	1	2	3	5	8	13	21	30	41	56	74	100	136	191	287	510						
.450	.050	101	81	65	52	43	30	22	15	10	6	3	1	0	0	0	0	1	1	3	5	9	15	21	30	41	56	74	100	136	191	287	510					
.450	.100	136	113	94	77	63	51	40	31	23	16	11	7	3	1	0	0	1	1	3	6	10	15	21	30	41	56	74	100	136	191	287	510					
.450	.150	174	149	126	107	90	75	62	51	41	32	24	18	12	8	4	2	0	0	1	1	4	8	15	24	38	56	82	120	180	288	546						
.450	.200	216	187	162	140	121	104	89	75	63	52	42	34	26	20	14	9	5	2	1	0	1	1	4	9	16	25	39	60	90	139	226	438					
.450	.250	259	228	200	176	154	135	118	103	89	76	65	54	45	36	29	22	16	11	6	3	1	0	1	4	9	16	25	39	60	90	139	226	438				
.450	.300	305	271	240	214	191	170	151	134	118	104	91	79	68	58	48	40	32	25	19	13	8	4	2	0	0	1	4	11	19	30	49	78	126	226			
.450	.350	352	315	283	254	229	206	186	167	150	134	120	107	94	83	72	6																					

A TABLE FOR ESTIMATING THE MULTIPLE CORRELATION OF Z IN TERMS OF X & Y GIVEN THE CORRELATIONS R(Z,X), R(Z,Y), R(X,Y)

A	B	-50	-45	-40	-35	-30	-25	-20	-15	-10	-05	00	05	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95		
.450	.400	400	361	327	296	269	245	223	203	184	168	152	138	124	112	100	89	79	69	60	51	43	36	28	22	15	10	5	1	0	9		
.450	.450	450	408	372	339	311	285	262	240	221	203	186	171	157	143	131	119	108	98	88	78	70	61	53	45	38	31	24	18	12	6		
.500	.500	0	77	60	46	34	24	16	10	6	3	1	0	1	3	6	10	16	24	34	46	60	77	99	125	158	200	256	333	449			
.500	.500	108	87	70	55	42	32	23	16	10	6	2	1	0	1	3	6	11	18	26	37	51	68	90	117	153	201	268	370				
.500	.500	150	143	118	98	80	65	51	40	30	22	15	10	6	3	1	0	1	3	6	12	19	29	42	59	81	110	150	207	294	446		
.500	.500	190	164	141	120	104	86	72	60	48	38	29	21	14	9	5	2	0	1	3	7	13	22	34	50	73	105	151	223	351			
.500	.500	200	221	190	164	141	120	104	86	72	60	48	38	29	21	14	9	5	2	0	1	3	7	13	22	34	50	73	105	151	223	351	
.500	.500	250	264	230	201	175	153	132	114	98	84	71	59	48	38	29	21	14	9	5	2	0	1	4	10	19	35	59	100	179	377		
.500	.500	300	308	272	240	212	187	165	145	128	111	97	83	71	60	49	40	32	24	18	12	7	3	1	0	1	5	13	27	53	107	251	
.500	.500	350	354	315	281	251	224	200	179	159	142	125	110	97	84	72	61	51	42	34	26	19	13	8	4	1	0	1	7	20	53	155	
.500	.500	400	402	360	324	292	263	238	214	193	174	157	140	125	111	98	86	75	65	55	46	37	29	22	15	10	5	1	7	20	53	155	
.500	.500	450	450	406	368	334	302	276	252	229	209	190	173	157	142	128	114	102	91	80	70	60	51	42	34	26	19	13	7	2	0	6	
.500	.500	500	453	413	377	345	316	291	267	245	225	207	190	174	159	145	132	120	109	98	87	77	68	59	50	42	35	27	20	13	6		
.550	.500	0	85	66	50	37	27	18	11	6	3	1	0	1	3	6	11	18	27	37	50	66	85	109	137	174	220	282	367	415			
.550	.550	050	116	93	74	58	44	33	24	16	10	5	2	0	1	3	7	13	21	30	43	58	78	102	133	173	226	301	415				
.550	.550	100	150	124	101	82	66	52	40	30	22	15	9	5	2	0	1	4	9	15	24	36	51	71	96	130	175	240	338	414			
.550	.550	150	187	158	132	110	92	75	61	48	37	28	14	8	4	2	0	1	4	9	15	24	36	51	71	96	130	175	240	338	414		
.550	.550	200	227	194	166	141	120	101	85	70	57	45	35	26	19	13	8	4	1	0	0	3	7	14	24	38	58	87	130	199	322		
.550	.550	250	269	232	202	175	151	130	111	95	80	66	54	43	34	26	18	12	7	3	1	0	1	4	9	18	32	52	85	138	236		
.550	.550	300	312	274	240	211	185	162	141	122	106	90	76	64	53	42	33	25	18	12	7	3	1	0	1	5	13	26	47	85	159	350	
.550	.550	350	357	316	280	249	221	196	173	153	134	117	102	88	75	63	52	42	33	25	18	12	7	3	1	0	2	8	20	44	93	230	
.550	.550	400	404	360	322	288	258	231	207	185	165	147	130	115	100	87	75	63	53	43	34	26	19	12	7	3	1	0	4	15	42	126	
.550	.550	450	405	365	329	297	269	243	220	198	179	161	144	128	114	100	88	76	65	55	45	36	28	20	13	7	3	0	4	15	42	126	
.550	.550	500	409	371	338	308	281	256	233	213	193	175	159	143	129	115	103	91	79	68	58	49	40	31	23	16	9	3	0	5	7		
.600	.500	0	93	72	55	41	29	20	12	7	3	1	0	1	3	6	11	18	27	37	50	66	85	109	137	174	220	307	400				
.600	.600	050	123	99	78	61	47	35	25	16	10	5	2	0	1	4	9	15	24	35	49	66	87	114	148	193	252	335	383				
.600	.600	100	157	129	105	85	68	53	41	30	21	14	8	4	1	0	2	6	11	19	29	43	60	82	111	149	200	272	340				
.600	.600	150	194	162	136	113	93	75	60	47	36	26	18	12	7	3	1	0	1	3	8	15	24	38	55	78	109	152	214	309	384		
.600	.600	200	233	198	168	143	120	100	83	68	54	43	32	24	16	10	6	2	0	2	5	11	20	32	50	74	109	160	240				
.600	.600	250	274	236	204	175	150	128	109	92	76	62	50	39	30	21	14	9	4	2	0	3	8	16	28	45	72	112	177	296			
.600	.600	300	317	276	241	210	183	159	137	118	101	85	71	58	47	36	27	20	13	8	4	1	0	1	5	12	23	41	71	120	214	325	
.600	.600	350	361	318	282	247	218	192	168	147	128	110	95	80	67	55	44	35	26	18	12	7	3	0	2	8	19	38	72	142	255		
.600	.600	400	361	321	285	254	226	201	178	157	138	121	105	90	77	65	53	43	33	25	17	11	6	2	0	1	5	15	35	81	210		
.600	.600	450	363	325	292	263	236	211	189	169	150	133	117	102	88	75	63	52	42	33	24	17	10	5	1	0	2	11	35	113			
.600	.600	500	367	332	300	272	246	223	201	181	163	145	129	114	100	87	75	64	53	44	35	26	18	10	5	1	0	2	11	35	113		
.600	.600	550	369	334	302	274	248	225	202	182	164	147	131	115	101	88	76	65	55	46	37	29	22	15	10	5	1	0	7	4	1		
.600	.600	600	372	337	304	276	250	227	204	183	165	148	132	116	102	89	77	66	56	47	38	29	22	15	10	5	1	0	7	4	1		
.650	.500	0	101	78	59	44	31	21	13	7	3	1	0	1	3	6	11	18	27	39	54	78	101	128	162	205	260	333					
.650	.650	050	131	105	83	64	49	36	25	17	10	5	2	0	2	5	10	18	27	39	54	78	101	128	162	205	260	333					
.650	.650	100	164	135	109	88	70	54	41	30	21	13	8	4	1	0	1	3	8	14	23	35	50	69	94	126	168	225	305				
.650	.650	150	200	167	139	115	94	76	63	47	35	25	17	11	6	2	0	1	4	11	19	31	46	66	92	128	176	246					
.650	.650	200	239	202	171	144	121	100	80	62	46	32	21	14	8	4	1	0	1	3	8	16	27	42	63	92	132	191	283				
.650	.650	250	279	240	206	176	150	127	107	89	73	59	46	36	26	18	11	6	3	0	0	2	6	13	23	38	61	93	141	217	283		
.650	.650	300	321	279	242	210	182	157	134	114	96	80	66	53	43	32	23	15	9	5	1	4	10	20	35	59	96	158	272				
.650	.650	350	320	282	246	215	188	164	142	122	104	88	74	60	48	38	28	20	13	7	3	1	4	10	20	35	59	96	158	272			
.650	.650	400	320	283	251	222	196	172	151	131	113	97	82	68	56	45	35	26	18	11	6	2	4	10	20	35	59	96	158	272			
.650	.650	450	322	288	259	224	198	174	153	133	115	100	84	71	60	49	40	32	24	18	12	7	3	1	4	10	20	35	59	96	158	272	
.650	.650	500	326	292	264	238	213	191	170	151	133	117	102	88	75	63	52	42	33	24	17	10	5	1	4	10	20	35	59	96	158	272	
.650	.650	550	332	298	269	242	216	193	171	152	134	118	103	89	76	64	53	44	35	26	18	11	6	2	4	10	20	35	59	96	158	272	
.650	.650	600	339	301	273	247	223	201	181	162	145	129	113	99	86	73	61	50	40	30	21	13	7	3	1	4	10	20	35	59	96	158	272
.650	.650	650	347	319	293	265	241	226	207	189	172	156	141	127	113	101	88	77	66	55	44	33	24	17	10	5	1	0	24	26	17	8	

A & B ARE THE LARGER AND SMALLER OF $|R(Z, X)|$ & $|R(Z, Y)|$. IF EXACTLY 1 OR ALL 3 R'S ARE POSITIVE, $C = |R(X, Y)|$. IF NOT, $C = -|R(X, Y)|$. TABULATED VALUES ARE AMOUNTS X1000 BY WHICH MULTIPLE R EXCEEDS A. BLANK ENTRIES CORRESPOND TO IMPOSSIBLE COMBINATIONS.

TABLE XLVIII

A TABLE FOR ESTIMATING THE MULTIPLE CORRELATION OF Z IN TERMS OF X & Y GIVEN THE CORRELATIONS R(Z,X), R(Z,Y), R(X,Y)

C																																		
A	B	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95			
.700	.0	108	84	64	47	34	23	14	8	4	1	0	1	4	8	14	23	34	47	64	84	108	138	175	221	280								
.700	.050	139	111	87	68	51	38	26	17	10	5	2	0	0	2	6	12	20	30	44	60	81	107	139	180	233								
.700	.100	172	140	114	91	72	55	42	30	21	13	7	3	1	0	1	4	9	17	27	40	57	79	106	142	188	250							
.700	.150	207	172	143	117	95	76	63	46	34	24	16	9	5	1	0	0	3	7	14	24	37	54	77	107	147	201	278						
.700	.200	245	207	174	146	121	102	81	65	51	38	28	19	12	7	3	0	0	2	5	12	21	34	52	76	109	155	222						
.700	.250	285	244	208	177	150	125	105	87	70	56	43	32	23	15	9	4	1	0	4	9	18	32	50	76	114	170	259						
.700	.300	320	282	244	210	181	155	132	111	93	76	62	49	37	27	19	12	6	2	0	2	7	16	29	49	78	123	196						
.700	.350	350	314	281	245	214	185	161	138	117	99	83	68	54	43	32	23	15	9	4	1	0	1	5	14	27	48	83	140	250				
.700	.400	378	344	311	282	248	218	191	167	144	124	106	90	75	61	49	38	28	19	12	6	2	0	0	4	11	25	49	92	177				
.700	.450	404	372	340	308	276	248	223	197	174	152	132	114	97	82	68	55	44	33	24	16	9	4	1	0	2	9	24	52	113	282			
.700	.500	428	398	366	334	302	274	250	225	200	181	161	141	123	106	91	76	63	51	40	30	21	13	7	3	0	1	7	23	61	177			
.700	.550	450	420	388	356	324	296	272	247	223	205	185	165	145	126	111	96	82	72	59	48	37	27	19	11	5	1	0	5	24	91			
.700	.600	470	440	408	376	344	316	292	267	243	225	207	187	167	148	133	120	108	94	81	69	57	46	35	26	17	9	3	0	3	30			
.700	.650	488	458	426	394	362	334	310	285	261	243	225	207	187	167	148	133	120	108	94	81	69	57	46	35	26	17	9	3	0	3	30		
.700	.700	504	474	442	410	378	350	326	301	277	259	241	223	205	185	165	145	125	105	95	83	71	59	48	38	28	18	9	2	2	2			
.750	.0	116	90	68	51	36	25	15	9	4	1	0	1	4	9	15	25	36	51	68	90	116	148	187	237									
.750	.050	146	116	92	71	53	39	27	18	10	5	2	0	0	3	7	13	22	34	48	66	89	117	151	195									
.750	.100	179	146	118	94	74	57	42	30	20	13	7	3	1	0	2	5	11	20	31	46	64	88	118	157	207								
.750	.150	214	178	146	120	97	77	60	46	33	23	15	8	4	1	0	1	4	10	18	29	44	63	89	122	166	225							
.750	.200	248	212	177	148	122	100	81	64	49	37	26	17	10	5	2	0	0	3	8	15	27	42	62	90	127	179							
.750	.250	284	248	211	178	150	126	104	85	68	53	41	30	20	13	7	3	0	0	2	6	14	25	41	63	93	136	200						
.750	.300	320	284	246	211	180	153	129	108	89	73	58	45	33	24	15	9	4	1	0	1	5	12	23	40	63	99	151	236					
.750	.350	350	314	282	248	218	191	167	144	124	106	90	75	61	49	38	28	19	12	6	2	0	1	4	10	22	39	66	108	178				
.750	.400	378	344	311	282	248	218	191	167	144	124	106	90	75	61	49	38	28	19	12	6	2	0	1	4	10	22	39	66	108	178			
.750	.450	404	372	340	308	276	248	223	197	174	152	132	114	97	82	68	55	44	33	24	16	9	4	1	0	2	7	19	41	80	160			
.750	.500	428	398	366	334	302	274	250	225	200	181	161	141	123	106	91	76	63	51	40	30	21	13	7	3	0	1	6	18	44	101			
.750	.550	450	420	388	356	324	296	272	247	223	205	185	165	145	126	111	96	82	72	59	48	37	27	19	11	5	1	0	5	18	53	163		
.750	.600	470	440	408	376	344	316	292	267	243	225	207	187	167	148	133	120	108	94	81	69	57	46	35	26	17	9	3	0	3	19	82		
.750	.650	488	458	426	394	362	334	310	285	261	243	225	207	187	167	148	133	120	108	94	81	69	57	46	35	26	17	9	3	0	3	19	82	
.750	.700	504	474	442	410	378	350	326	301	277	259	241	223	205	185	165	145	125	105	95	83	71	59	48	38	28	18	9	2	2	2			
.800	.0	124	96	73	54	39	26	16	9	4	1	0	1	4	9	16	26	39	54	73	96	124	158											
.800	.050	154	122	96	74	56	41	24	18	11	5	2	0	1	3	8	15	24	37	53	72	96	126	164										
.800	.100	187	151	122	97	76	58	43	30	20	12	6	2	0	0	2	7	13	23	35	51	72	98	130	172									
.800	.150	221	183	152	122	98	78	61	45	33	22	14	8	3	1	0	2	6	12	21	33	50	72	100	137	185								
.800	.200	255	217	186	155	123	100	83	67	48	35	25	16	9	4	1	0	1	5	11	20	33	50	73	104	146								
.800	.250	290	252	221	190	158	135	116	98	80	66	51	38	27	18	11	5	2	0	1	4	9	19	32	50	75	110	159						
.800	.300	324	286	255	224	192	169	148	129	110	94	78	63	49	38	27	19	11	6	2	0	1	4	10	22	39	66	108	178					
.800	.350	358	320	288	257	225	202	180	161	141	123	106	91	76	63	51	40	30	21	13	7	3	0	1	5	12	23	40	63	99	151	236		
.800	.400	392	354	322	290	258	235	213	194	174	154	134	114	98	82	68	56	44	33	24	16	9	4	1	0	2	7	19	41	80	160			
.800	.450	426	388	356	324	292	269	247	227	207	187	167	148	129	113	97	82	68	56	44	33	24	16	9	4	1	0	2	7	19	41	80	160	
.800	.500	460	422	390	358	326	294	271	251	231	211	191	171	151	131	115	100	88	76	64	52	41	30	20	12	5	0	2	0	3	19	82		
.800	.550	494	456	424	392	360	328	296	273	253	233	213	193	173	153	133	117	102	90	78	66	54	42	30	20	12	5	0	2	0	3	19	82	
.800	.600	528	490	458	426	394	362	330	307	287	267	247	227	207	187	167	148	133	120	108	94	81	69	57	46	35	26	17	9	3	0	3	30	
.800	.650	562	524	492	460	428	396	364	341	321	301	281	261	241	221	201	181	161	141	121	101	89	77	65	53	41	30	21	13	7	3	0	3	30
.800	.700	596	558	526	494	462	430	398	375	355	335	315	295	275	255	235	215	195																

TABLE XLVIII

A TABLE FOR ESTIMATING THE MULTIPLE CORRELATION OF Z IN TERMS OF X & Y GIVEN THE CORRELATIONS $R(Z,X)$, $R(Z,Y)$, $R(X,Y)$

A	B	-50	-45	-40	-35	-30	-25	-20	-15	-10	-05	.00	.05	.10	.15	.20	.25	.30	.35	.40	.45	.50	.55	.60	.65	.70	.75	.80	.85	.90	.95
.850	.200																														
.850	.250																														
.850	.300																														
.850	.350																														
.850	.400																														
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.950	.550																														
.950	.600																														
.950	.650																														
.950	.700																														
.950	.750																														
.950	.800																														
.950	.850																														
.950	.900																														

A & B ARE THE LARGER AND SMALLER OF $|R(Z,X)|$ & $|R(Z,Y)|$. IF EXACTLY 1 OR ALL 3 R'S ARE POSITIVE, $C = |R(X,Y)|$. IF NOT, $C = -|R(X,Y)|$.
 TABULATED VALUES ARE AMOUNTS X1000 BY WHICH MULTIPLE R EXCEEDS A. BLANK ENTRIES CORRESPOND TO IMPOSSIBLE COMBINATIONS.

PARTIAL CORRELATION COEFFICIENTS

The correlation between variables 1 and 2 with variable 3 partialled out is equal to

$$\frac{r_{12} - r_{13} r_{23}}{\sqrt{(1 - r_{13}^2)(1 - r_{23}^2)}}$$

and is sometimes denoted by $r_{1,2.3}$. A sequence of formulas for use when 2, 3, or more variables are partialled out can be written down. However, it is probable that in most computations, the calculation of the higher order partial correlation coefficients will be carried out using this formula with the r 's involved being the partial coefficients just obtained. The partial coefficients reported in table XXXI with weight and stature partialled out were computed by partialing out stature from the coefficients given above the diagonal in table XXX; they could equally well have been obtained by partialing out weight from the coefficients below the diagonal in that table. The coefficients below the diagonal in table XXXI were computed from those above the diagonal by partialing out age.

APPENDIX IV

FORMULAS FOR STATISTICS OF COMPUTED VARIABLES

FORMULAS FOR STATISTICS OF COMPUTED VARIABLES

It is often possible to approximate the common statistical measures for functions of two or more variables in terms of the basic statistical measures—including the intercorrelations—of the original variables.

Linear combinations—sums and differences fall into this category—are particularly simple, and the means and standard deviations of such functions can be stated precisely. Thus, the function

$$Z = \sum \alpha_j X_j$$

had the mean value

$$\bar{Z} = \sum \alpha_j \bar{X}_j$$

and the standard deviation

$$SD_z = \sqrt{\sum \alpha_i \alpha_j r_{ij}} SD_i SD_j$$

For the most common of the linear combinations, the differences between two variables and the sum of two variables these formulas become:

$$U = X - Y$$

$$\bar{U} = \bar{X} - \bar{Y}$$

$$SD_u = \sqrt{SD_x^2 - 2r SD_x SD_y + SD_y^2}$$

and

$$W = X + Y$$

$$\bar{W} = \bar{X} + \bar{Y}$$

$$SD_w = \sqrt{SD_x^2 + 2r SD_x SD_y + SD_y^2}$$

There is no corresponding formula for such statistics as the percentiles, although these statistics may be approximated by assuming that the computed variable is normally distributed. In theory, the assumption that each of a pair of variables is normally distributed does not guarantee that a linear function of the two is also normally distributed, but it is difficult to imagine this not being the case with the type of data considered in this report.

The estimate:

$$\bar{U} + 1.645 SD_u$$

for the 95% percentile of W is, for any combination of variables reported here except the skinfold measurements, probably no poorer an estimate than

$$\bar{X} + 1.645 SD_x$$

$$\bar{Y} + 1.645 SD_y$$

are for the 95th percentiles of X and Y themselves.

The correlation coefficient for a pair of linear combinations can be computed exactly. If

$$U = \sum \alpha_i X_i$$

$$W = \sum b_j X_j$$

then

$$r_{U, W} = \frac{\sum \alpha_i b_i r_{ii} SD_i SD_i}{\sqrt{(\sum \alpha_i \alpha_j r_{ij} SD_i SD_j) (\sum b_k b_l r_{kl} SD_k SD_l)}}$$

With modern computers, it may usually be simpler to compute the values of U and V and compute the correlation coefficient directly.

After the linear combinations, the simplest computed variable of conventional interest to the physical anthropologist is the ratio. Exact statistics for the ratio cannot be computed from the statistics for the variables involved, but reasonably accurate approximations can be made when the coefficient of variation of the divisor variable is small.

Considering the ratio

$$Z = X/Y$$

we can let

$$X = \bar{X} (1+x)$$

$$Y = \bar{Y} (1+y)$$

and

$$Z = \frac{\bar{X} (1+x)}{\bar{Y} (1+y)}$$

The new variables, x and y , will have mean values of zero and standard deviations equal to the coefficients of variation of X and Y .

This quotient can be written—on the basis of simple division or series expansion—as

$$Z = \frac{\bar{X}}{\bar{Y}} (1+x) (1-y+y^2-y^3 + \dots)$$

or, with some approximation,

$$Z = \frac{\bar{X}}{\bar{Y}} (1+x-y-xy+y^2)$$

The mean value of this ratio is, thus, approximately

$$\bar{Z} = \frac{\bar{X}}{\bar{Y}} (1 - r_{xy} V_x V_y + V_y^2)$$

V_x and V_y being the coefficients of variation of X and Y .

In arriving at this result we have assumed that terms in x and y of degree higher than the second can be ignored and that the distributions of X and Y are sufficiently close to symmetrical so that Σxy^2 can be treated as zero.

If Y , the divisor variable, has a very low coefficient of variation—stature, for example, with $V = 4\%$ — the difference between Z and \bar{X}/\bar{Y} will be small. Thus, for the ratio of waist height to stature, since $\bar{X} = 100.28$ cm

$$\bar{Y} = 162.10 \text{ cm}$$

$$V_x = 4.49\%$$

$$V_y = 3.70\%$$

$$r_{xy} = 0.916$$

we have

$$\bar{Z} = \frac{100.28}{162.10} (1 - 0.916 \cdot 0.0449 \cdot 0.0370 + (0.0370)^2) = 0.6185 = 61.85\%$$

The value given by direct calculation of the individual values (see variable 233) is also 61.85%. The value as given by this approximation and by direct calculation thus differs little from the ratio of the mean values of waist height and stature (61.86%). For ratios based on divisors with high coefficients of variations, such agreement cannot be anticipated.

One can derive an approximation to the standard deviation of a ratio by the method used to approximate the mean, but the process is somewhat cumbersome. A simpler procedure is to use the following theorem:

Let F and Y be reasonably well behaved functions of the statistical variables X_1, X_2, \dots, X_k , all of which possess distributions such that the $V_i = SD_i/X_i$ are "small" then, approximately,

the mean value of $F = F(\bar{X}_1, \bar{X}_2, \dots, \bar{X}_k) + 0.5 \sum \frac{\partial^2 F}{\partial X_i \partial X_j} \text{cov}(X_i, X_j)$,

the standard deviation of $F = \sqrt{\sum \frac{\partial F}{\partial X_i} \cdot \frac{\partial F}{\partial X_j} \text{cov}(X_i, X_j)}$,

and the correlation of F and $Y = \frac{\sum \frac{\partial F}{\partial X_i} \cdot \frac{\partial Y}{\partial X_j} \text{cov}(X_i, X_j)}{SD_F \cdot SD_Y}$

The expression $\text{cov}(X_i, X_j)$ is to be interpreted as meaning $r_{ij} SD_i SD_j$ or, if $i = j$, as SD_i^2 . The derivatives are to be evaluated at the point $X_i = \bar{X}_i$. In the third formula, the X_i 's include all variables appearing in either F or Y . (Churchill, 1963).

Restating this theorem in terms of two basic variables, we get:

Let U and W be reasonably well behaved functions of X and Y , X and Y being statistical variables with "small" coefficients of variation, V_x and V_y , then, approximately,

the mean value of $U =$

$$U(\bar{X}, \bar{Y}) + \frac{\partial^2 U}{\partial X^2} SD_x^2 + \frac{\partial^2 U}{\partial X \partial Y} r_{xy} SD_x SD_y + \frac{\partial^2 U}{\partial Y^2} SD_y^2$$

the standard deviation of $U =$

$$\sqrt{\left(\frac{\partial U}{\partial X} SD_x\right)^2 + 2 \frac{\partial U}{\partial X} \frac{\partial U}{\partial Y} r_{xy} SD_x SD_y + \left(\frac{\partial U}{\partial Y} SD_y\right)^2}$$

and the correlation of U and $W =$

$$\frac{\frac{\partial U}{\partial X} \frac{\partial W}{\partial X} SD_x^2 + \left(\frac{\partial U}{\partial Y} \frac{\partial W}{\partial X} + \frac{\partial U}{\partial X} \frac{\partial W}{\partial Y}\right) r_{xy} SD_x SD_y + \frac{\partial U}{\partial Y} \frac{\partial W}{\partial Y} SD_y^2}{SD_U SD_W}$$

Before applying this to the problem of estimating the standard deviation of a ratio, let us use it to derive the results we already have.

If:

$U = X - Y$, then $\frac{\partial U}{\partial X} = 1$, $\frac{\partial U}{\partial Y} = -1$, all second and higher derivatives being zero. Hence,

$$\bar{U} = \bar{X} - \bar{Y}$$

$$SD_u = \sqrt{SD_x^2 - 2r_{xy} SD_x SD_y + SD_y^2}$$

If, in addition,

$$W = X + Y, \text{ then } \frac{\partial W}{\partial X} = 1, \frac{\partial W}{\partial Y} = 1,$$

and the correlation between U and W is equal to:

$$\frac{1 \cdot 1 \cdot SD_x^2 + (1 \cdot 1 - 1 \cdot 1) r_{xy} SD_x SD_y - 1 \cdot 1 SD_y^2}{SD_u \cdot SD_w} = \frac{SD_x^2 - SD_y^2}{SD_u \cdot SD_w}$$

Returning to the ratio

$$U = X/Y, \begin{cases} \frac{\partial U}{\partial X} = \frac{1}{Y}, \frac{\partial^2 U}{\partial X^2} = 0, \frac{\partial^2 U}{\partial X \partial Y} = \frac{-1}{Y^2} \\ \text{and} \quad \frac{\partial U}{\partial Y} = \frac{-X}{Y^2}, \frac{\partial^2 U}{\partial Y^2} = \frac{2X}{Y^3}, \frac{\partial^2 U}{\partial Y \partial X} = \frac{-1}{Y^2} \end{cases}$$

Since these derivatives are to be evaluated at the centroid of the X, Y distribution, we replace X and Y in these expressions by \bar{X} and \bar{Y} .

Thus, the mean

$$\begin{aligned} U &= \frac{\bar{X}}{\bar{Y}} + \left(0 - \frac{1}{\bar{Y}^2}\right) \cdot r_{xy} SD_x SD_y + 2 \frac{\bar{X}}{\bar{Y}^3} SD_y^2 \\ &= \frac{\bar{X}}{\bar{Y}} \left(1 - r_{xy} \frac{SD_x SD_y}{\bar{X} \bar{Y}} + 2 \frac{SD_y^2}{\bar{Y}^2}\right) \\ &= \frac{\bar{X}}{\bar{Y}} (1 - r_{xy} V_x V_y + 2 V_y^2) \end{aligned}$$

as was previously obtained.

The standard deviation for the ratio W equals, approximately,

$$\begin{aligned} &\sqrt{\left(\frac{1}{\bar{Y}} SD_x\right)^2 + 2 \frac{1}{\bar{Y}} \frac{-\bar{X}}{\bar{Y}^2} r_{xy} SD_x SD_y + \left(\frac{-\bar{X}}{\bar{Y}^3} SD_y\right)^2} \\ &= \frac{\bar{X}}{\bar{Y}} \sqrt{\left(\frac{SD_x}{\bar{X}}\right)^2 - 2 r_{xy} \frac{SD_x SD_y}{\bar{X} \bar{Y}} + \left(\frac{SD_y}{\bar{Y}}\right)^2} \\ &= \frac{\bar{X}}{\bar{Y}} \sqrt{V_x^2 - 2 r_{xy} V_x V_y + V_y^2} \end{aligned}$$

For the ratio of waist height to stature, mentioned above, this estimate becomes:

$$(100.28/162.10) \sqrt{(4.49)^2 - 2 \cdot 0.916 \cdot 4.49 \cdot 3.70 + (3.70)^2} = 0.6186 \times 1.847 = 1.14\%$$

a value agreeing well with the computed standard deviation value of 1.15%.

A correlation sometimes of interest is that between the ratio and its denominator.

If: $U = X/Y$ and $W = Y$, we have

$$\begin{cases} \frac{\partial U}{\partial X} = \frac{1}{Y}, & \frac{\partial U}{\partial Y} = \frac{-X}{Y^2}, \\ \frac{\partial W}{\partial X} = 0, & \frac{\partial W}{\partial Y} = 1. \end{cases}$$

Hence:

$$\begin{aligned}
 r_{u, w} &= \frac{\left(\frac{1}{\bar{Y}}\right)(0)SD_x^2 + \left(\left(\frac{1}{\bar{Y}}\right) \cdot (1) + \left(\frac{-\bar{X}}{\bar{Y}^2}\right) \cdot (0)\right)r_{xy}SD_xSD_y + \left(\frac{-\bar{X}}{\bar{Y}^2}\right)(1)SD_y^2}{\left(\frac{\bar{X}}{\bar{Y}}\sqrt{V_x^2 - 2r_{xy}V_xV_y + V_y^2}\right) \cdot (SD_y)} \\
 &= \frac{\frac{1}{\bar{Y}}r_{xy}SD_xSD_y - \frac{-\bar{X}}{\bar{Y}^2}SD_y^2}{\left(\frac{\bar{X}}{\bar{Y}}\sqrt{V_x^2 - 2r_{xy}V_xV_y + V_y^2}\right)SD_y} \\
 &= \frac{r_{xy}V_x - V_y}{\sqrt{V_x^2 - 2r_{xy}V_xV_y + V_y^2}}
 \end{aligned}$$

The correlation between cephalic index (head breadth/head length) and head length as approximated by this formula is:

$$r_{u, w} = \frac{0.115 \cdot 4.10 - 3.69}{\sqrt{(4.10)^2 - 0.230 \cdot 4.10 \cdot 3.69 + (3.69)^2}} = 0.620.$$

APPENDIX V

EXPLANATION OF ANTHROPOMETRIC TERMS

EXPLANATION OF ANTHROPOMETRIC TERMS

Abdominal Extension Level — The most anterior point on the curve of the abdomen in the midsagittal plane.

Abduct — To move from the axis of the body or one of its parts.

Acromion — The most lateral point of the lateral edge of the acromial process of the scapula (shoulder blade).

Ankle Level — The level of the minimum circumference of the ankle as established by measuring. Proximal to the malleoli (rounded bony prominences on either side of ankle).

Anterior — Pertaining to the front of the body; as opposed to posterior.

Auricular — Pertaining to the external ear.

Axilla — The arm pit.

Biceps Brachii — The large muscle on the anterior surface of the upper arm.

Biceps Femoris — A large posterior muscle of the thigh.

Brow Ridges — The bony ridges of the anterior forehead which lie above the orbits of the eye.

Bust Circumference Level — The level of the right bustpoint.

Bust Level — The level of the right bustpoint.

Bustpoint — Most anterior protrusion of the right bra pocket.

Buttock Protrusion — The maximum posterior protrusion of the right buttock.

Calf Level (Right and Left) — The level of the maximum circumference of the calf as established by measurement.

Cervicale — The protrusion of the spinal column at the base of the neck caused by the tip of the spine of the 7th cervical vertebra.

Cheilion — The corners of the mouth formed by the juncture of the lips.

Coronal Plane — Any vertical plane at right angles to the midsagittal plane.

Cutaneous Lip — The area between the upper lip and the nose.

Dactylion — The tip of the middle finger.

Deltoid Muscle — The large muscle on the lateral border of the upper arm in the shoulder region.

Distal — The end of a body segment farthest from the head; opposed to proximal.

Epicondyle — Bony eminence at the distal end of the humerus and femur.

Ectocanthus — The outside corner or angle formed by the meeting of the eyelids.

Extend — To move adjacent segments so that the angle between them is increased as when the leg is straightened; opposite of flex.

Femoral Epicondyles — The bony projections on either side of the distal end of the femur.

Femur — The thigh bone.

Flex — To move a joint in such a direction as to bring together the two parts which it connects, as when the elbow is bent.

Forearm Level — A level one tape width (6mm) distal to the crotch of elbow with the elbow flexed 90 degrees.

Fossa — A depression usually more or less longitudinal in shape below the level of the surface of a part.

Frankfort Plane — The standard horizontal plane or orientation of the head. The plane is established by a line passing through the right trignon and the lowest point of the right orbit (eye socket).

Glabella — The most anterior point of the forehead between the brow ridges in the midsagittal plane.

Gluteal Furrow — The furrow at the juncture of the buttock and thigh.

Gonial Angle — The obtuse angle at the back of the lower jaw formed by the intersection of the vertical and horizontal portions of the jaw.

Hip Circumference 7 — The girth of the hips 7 inches below the waist circumference level.

Hip Circumference 9 — The girth of the hips 9 inches below the waist circumference level.

Humeral Epicondyles — The bony projections on either side of the distal end of the humerus.

Humerus — The upper arm bone.

Hyperextend — To overextend a limb or part of the body.

Inferior — Below in relation to another structure; lower.

Inseam — A term used in tailoring to indicate the inside length of a sleeve or trouser leg. It is measured on the medial side of the arm or leg.

Lateral — Lying near or toward the sides of the body; opposed to medial.

Lateral Malleolus — The lateral bony protrusion of the ankle.

Mandible — The lower jaw.

Medial — Lying near or towards the midline of the body; opposed to lateral.

Metacarpal — Pertaining to the long bones of the hand between the wrist and the phalanges.

Metatarsal — Pertaining to the long bones of the foot between the tarsus and the phalanges.

Menton — The point of the tip of the chin in the midsagittal plane.

Midaxillary Line (Right and Left) — A vertical line passing through the center of the axilla.

Midpatella — A point one-half the distance between the superior and inferior margins of the right patella.

Midshoulder — A point one-half the distance between the right neck landmark and the right acromion.

Midsagittal Plane — The vertical plane which divides the body into right and left halves.

Nasal Root Depression — The area of greatest indentation where the bridge of the nose meets the forehead.

Nasal septum — The fleshy structure that separates the two nostrils.

Nuchale — The lowest point in the midsagittal plane of the occiput that can be palpated among the muscles in the posterior-superior part of the neck. This point is often visually obscured by hair.

Ocular — Pertaining to the eyes.

Occiput — A bone forming the posterior base of the skull.

Olecranon — The proximal end of the ulna (the medial forearm bone).

Patella — The kneecap.

Phalanges — The bones of the fingers and toes.

Popliteal — Relating to the popliteal ligament or the back of the knee.

Pronasale — The most anterior point on the nose.

Posterior — Pertaining to the back of the body; as opposed to anterior.

Proximal — The end of a body segment nearest the head; opposed to distal.

Radiale — The uppermost point on the lateral margin of the head of the radius.

Radius—The bone of the forearm on the thumb side of the arm.

Scapula—The shoulder blade.

Seye—A tailoring term to designate the armhole of a garment. Refers here to landmarks which approximate the lower level of the axilla.

Sellion—The point of greatest indentation of the nasal root depression.

Stomion—The point of contact in the midsagittal plane between the upper and lower lips.

Stylian—The most distal point on the styloid process of the radius.

Spinous Process—(of vertebrae) The posterior prominences of the vertebrae.

Subnasale—The point where the base of the nasal septum meets the philtrum (the groove in the upper lip).

Superior—Above in relation to another structure; higher.

Suprasternale—The lowest point in the notch in the upper edge of the breast bone.

Surface Distance—A measurement that follows the general contours of the surface of the body.

Tibiale—The uppermost point of the medial margin of the tibia (shin bone).

Tragion—The point located at the notch just above the tragus of the ear.

Tragus—The small cartilaginous flap of flesh in front of the ear hole.

Trochanterion—The tip of the bony lateral protrusion of the proximal end of the femur (thigh bone).

Ulna—One of the bones of the forearm on the little finger side of the arm.

Waist—The level established by the subject placing an elastic tape around her "natural waist".

Wrist Level—The level of the extension of the radial stylian point across the anterior surface of the forearm perpendicular to the long axis of the forearm.

Zygomatic Arch—The bony arch extending horizontally along the side of the head from the cheekbone nearly to the external ear.

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MEASUREMENT INDEX

The Measurement Index is divided into two parts, Part A and Part B.

PART A

Part A, which begins on the next page, has a single entry for each of the measurement variables. In this entry is listed the location of the visual index drawing; the location of the basic statistical summaries with, for variables 3 to 125, the accompanying descriptions, photographs, drawings, and frequency graphs; the locations of the statistical summaries for the officer and enlisted subgroups and (when such summaries exist) for the over-foundation-garment subgroup. For each variable, lists of the indices and computed variables which involve this variable are given with the location of their statistical summaries. Finally, this index provides, for each variable, a list of the bivariate tables of which it is one of the variates.

The order of the variable listings in this index and the order of the paired variables in the bivariate table listings are alphabetical. The indices and computed variables are listed in numerical order.

There are no cross references or groupings of variables by anatomical types or measurement techniques in Part A.

PART B

Part B, which begins on page 1148, contains references only to the basic statistics summaries and to the accompanying descriptions, drawings, photographs, and frequency plots.

Many of the variables are included in groupings based on anatomical types or measurement techniques. Most measurement variables thus appear several times in this index. For example, head circumference is indexed in the appropriate alphabetic sequence and is, in addition, listed among the variables grouped as 'head and face measurements' and among those grouped as circumferences. A number of entries of alternate measurement names refer the reader to the names which we have used.

The reader, we assume, will find the information which he wishes most easily at times in Part A and at other times in Part B.

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